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SECOND

MELBOURNE, GENERAL CATALOGUE

OF

1211 STARS

FOR THE EPOCH 1880,

DEDUCED FROM OBSERVATIONS EXTENDING FROM 1871·0 TO 1884·7,

MADE AT THE

Melbourne Observatory,

UNDER THE DIRECTION OF

ROBERT L. J. ELLERY, C.M.G., F.R.S., F.R.A.S.,

GOVERNMENT ASTRONOMER TO THE COLONY OF VICTORIA.

REDUCED AND PREPARED FOR PUBLICATION BY E. J. WHITE, F.R.A.S.,
FIRST ASSISTANT ASTRONOMER.

Melbourne:
ROBT. S. BRAIN, GOVERNMENT PRINTER.
1889.

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to

Prof: Geo. Davidson
U. S Geodetic Survey
San Francisco
California
U.S.A

SMITHSONIAN INSTITUTION,
International Exchanges,
RECEIVED AUG 23 1890
INVOICE 153

On Her Majesty's Service.

Prof: Geo. Davidson
U. S. Geodetic Survey
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INTRODUCTION

TO THE

SECOND MELBOURNE GENERAL CATALOGUE

CONTAINING

1211 STARS FOR THE EPOCH 1880,

DEDUCED FROM OBSERVATIONS MADE BETWEEN 1871·0 AND 1884·7.

THE present Catalogue of Stars, entitled the Second Melbourne General Catalogue, contains the results of observations made with the Old Transit Circle of five inches aperture from the beginning of the year 1871 to the end of August 1884. At first the catalogue was formed from the observations down to the end of 1880, but just before its completion the New Transit Circle, which has an aperture of eight inches and focal length of nine feet, was received from the makers, Messrs. Troughton and Simms; and being soon brought into use observations with the former instrument were discontinued, and it was decided to enlarge the catalogue by the addition of the work done down to the time of the disuse of the Old Transit Circle.

Volumes V., VI., and VII. of the Melbourne Observations contain the separate results of the observations from which this catalogue has been compiled; and as they also contain a full description of the instruments, modes of observation, and methods of reduction, it is now only necessary to explain the processes used in forming the stars' places in the present work.

The Right Ascensions and North Polar Distances were taken from the manuscript copies of the means of the separate results for each year, they were then reduced to 1880 by means of the given precessions to terms of the third order where appreciable. These individual results for 1880 were then combined with weights proportional to the number of observations in each year; to these combined results the quantity of the adopted proper motion for the interval between 1880 and the mean year of the observations was applied; this in the case of the Nautical Almanac clock stars, where the proper motion was included in the precession, was a correction for the difference between the N.A. and the finally adopted proper motions, and the right ascensions thus obtained are the ones given in the catalogue; to the polar distances, however, a further correction was applied, as is explained below.

The North Polar Distances, as given in the annual catalogues, depend on Bessel's refractions as published in the Appendix to the Greenwich Observations for 1855, and on an adopted colatitude of 52° 10′ 6·″6. A discussion of the Greenwich and Melbourne Observations, however, by Mr. Stone, the present Radcliffe Observer, which appeared in the Monthly Notices of the Royal Astronomical Society for the 13th of December, 1867, showed that the colatitude required the correction + 0″·149, and that the refractions employed required diminishing; the factor being 0·99086 for observations north and 0·99628 for those south of the zenith. A comparison of the Pulkowa and Melbourne observations by Mr. Gylden, the present Director of the Stockholm Observatory, led to a somewhat similar conclusion; and although a later investigation of more recent observations by Mr. Downing, published in the R.A.S. Monthly Notices of May, 1881, has considerably modified the above deductions; yet for the sake of uniformity it has not been considered desirable to alter the table of corrections given in the

introduction to the First Melbourne General Catalogue, which has been used and is reproduced here.

N.P.D.	Correction.	N.P.D.	Correction.	N.P.D.	Correction.	N.P.D.	Correction.	N.P.D.	Correction.
°	″	°	″	°	″	°	″	°	″
40	+ 8·91	75	+ 0·55	110	+ 0·02	145	− 0·22	180 S.P.	+ 0·43
41	7·10	76	0·53	111	+ 0·01	146	0·22	179	0·44
42	5·93	77	0·50	112	0·00	147	0·22	178	0·45
43	4·99	78	0·48	113	− 0·01	148	0·23	177	0·46
44	4·30	79	0·46	114	0·02	149	0·23	176	0·47
45	3·76	80	0·44	115	0·03	150	0·24	175	0·48
46	3·32	81	0·42	116	0·04	151	0·24	174	0·50
47	2·98	82	0·40	117	0·05	152	0·25	173	0·51
48	2·70	83	0·38	118	0·06	153	0·25	172	0·52
49	2·46	84	0·36	119	0·07	154	0·26	171	0·54
50	2·25	85	0·34	120	0·08	155	0·26	170	0·56
51	2·07	86	0·33	121	0·09	156	0·26	169	0·57
52	1·92	87	0·31	122	0·09	157	0·27	168	0·59
53	1·78	88	0·29	123	0·10	158	0·28	167	0·61
54	1·66	89	0·28	124	0·11	159	0·28	166	0·64
55	1·55	90	0·26	125	0·12	160	0·28	165	0·66
56	1·45	91	0·25	126	0·13	161	0·29	164	0·69
57	1·36	92	0·24	127	0·14	162	0·30	163	0·71
58	1·29	93	0·22	128	0·15	163	0·30	162	0·74
59	1·21	94	0·21	129	0·15	164	0·31	161	0·78
60	1·15	95	0·19	130	0·16	165	0·31	160	0·81
61	1·09	96	0·18	131	0·16	166	0·32	159	0·85
62	1·03	97	0·17	132	0·16	167	0·32	158	0·90
63	0·98	98	0·16	133	0·17	168	0·33	157	0·95
64	0·93	99	0·14	134	0·17	169	0·34	156	1·01
65	0·88	100	0·13	135	0·18	170	0·34	155	1·08
66	0·84	101	0·12	136	0·18	171	0·35	154	1·15
67	0·80	102	0·11	137	0·18	172	0·36	153	1·24
68	0·76	103	0·10	138	0·19	173	0·37	152	1·34
69	0·73	104	0·09	139	0·19	174	0·37	151	1·47
70	0·70	105	0·08	140	0·20	175	0·38	150	1·62
71	0·66	106	0·07	141	0·20	176	0·39	149	1·81
72	0·63	107	0·05	142	0·20	177	0·40	148	2·05
73	0·61	108	0·04	143	0·21	178	0·41	147	2·35
74	0·58	109	0·03	144	0·21	179	0·42	146	2·75
75	0·55	110	0·02	145	0·22	180	0·43	145	3·32
								144	4·12
								143	5·36

In the case of stars observed above and below the pole, the corrections have been combined with weights proportional to the number of observations in each position.

The Mean Year of Observations has been computed from the mean years in the annual catalogues by combining them with weights proportional to the number of observations in each year.

When available, the proper motions have been generally taken from the following authorities :—

AUWERS.—Fundamental Catalog für die Zonen.—Beobachtungen am Nordlichen Himmel. Leipzig, 1879.

Mittlere Örter von 83 Südlichen Sternen für 1875·0. Leipzig, 1883.

STONE.—The Proper Motions of 460 stars given in the R.A.S. Memoirs, Vol. XXXIII., when the places of Auwers' Re-reduction of Bradley's observations are adopted instead of Bessel's. Monthly Notices of R.A.S. Nov., 1884.

NEWCOMB.—Catalogue of 1098 Standard Clock and Zodiacal Stars.

GOULD.—Resultados del Observatorio Nacional Argentino. Introduccion al Tomo V. Buenos Aires, 1886.

STONE.—Cape Catalogue of 12441 stars for the Epoch 1880. London, 1881.

Very few proper motions are given in the last of these works, but its star places have been generally combined with the Melbourne ones in forming the modern places to be compared with the ancient ones for the determination of the proper motions. Most of the stars in Gould are so near the pole that the secular variations of the proper motions are appreciable; they have therefore been computed and used to bring up the proper motions from 1870 to 1880. The secular variations of the proper motions were computed from the following formulæ :—

$$M' = [7{\cdot}9878]\ M \cos \alpha \cot \Delta - [6{\cdot}8117]\ m \sin \alpha \operatorname{cosec}^2 \Delta$$
$$m' = [9{\cdot}1639]\ M \sin \alpha + [9{\cdot}0378]\ M^2 \sin \Delta \cos \Delta$$

where M and m are the proper motions in right ascension and north polar distance respectively, M′ and m′ their secular variations, α the right ascension, and Δ the north polar distance. The brackets as usual indicate that the numbers therein are the logarithms of the factors.

When the proper motions were not obtainable from the above sources it was necessary to compute them. Hitherto our knowledge of the proper motions of the southern stars has principally rested on the comparison of recent observations with the old ones of Lacaille, Brisbane, and Piazzi; but it is now thought that in

consequence of the imperfect instruments, uncertainty of epoch, or want of system in the reductions, that better results can be got by discarding the work of the old observers, except perhaps Lacaille's fundamental stars, and confining ourselves to the early work of the Cape Observatory between the years 1829 and 1852, which is now easily accessible, owing to the recent labours of Stone and Gill. In a few exceptional instances the old star places have been taken from the Cape Catalogue for 1860 and the early Melbourne observations. By the rejection of the ancient catalogues, the interval, seldom exceeding forty years, is rendered very short, but an improvement in the results is manifest by the disappearance of most of the anomalies that formerly existed. At the same time most of these proper motions must be considered as only provisional. Before definite results can be obtained, more extended observations will be necessary, as well as a method of reducing the various catalogues to a standard system. When a proper motion has been computed from Bradley's observations, Dr. Auwers's reduction, St. Petersburgh, 1882, has been used.

In computing the total amount of the precession between 1880 and the epoch of the older catalogue, various methods have been adopted. For stars not far from the pole the trigonometrical formula has been always employed; for stars within thirty degrees of the equator the mean annual precession has been taken as the half of the sum of the precessions for the two epochs. For other stars taken from the Cape Catalogue for 1840, the mean annual precession has been found by combining the precessions of 1840 and 1880 with that of the intermediate year, to which a weight of 4 has been given; in every case, however, where a considerable proper motion has been found, the place of the star has been brought down trigonometrically, so that the proper motion may be strictly referred to the equinox of 1880.

If now α and α' represent the right ascensions for 1880 as derived from the modern and ancient catalogues respectively, and y and y' the mean years of observation, then the annual proper motion in right ascension will be equal to $\frac{\alpha - \alpha'}{y - y'}$, and in a similar way the proper motion in north polar distance may be found. Where proper motions have been used in forming the catalogue places

of the stars, the places have been corrected by applying the amount of proper motion for the interval between the epoch of the catalogue and the mean year of observation.

EXPLANATION OF THE CATALOGUE.

The first column contains the ordinal numbers of the stars arranged in the order of their right ascensions.

The Magnitudes are expressed decimally. When they are from Melbourne observations the number of estimates of magnitude is given in the next column. The adopted magnitude is generally the mean of all the estimates. When the magnitudes have not been observed in Melbourne they are generally taken from Argelander, but the notation has been changed to make it correspond to the decimal one. Thus, 3 – 4 and 4 – 3 of Argelander appear here as 3·3 and 3·7.

In the column headed "Star's Name" the nomenclature of the British Association Catalogue has been usually followed. When a star is not distinguished by either Bayer's letter or Flamsteed's number, the name of the constellation is given in the genitive case, followed by the name in initials of the catalogue and the number therein. Thus B.A.C. 151 denotes No. 151 of the British Association Catalogue for the year 1850. Other catalogues are distinguished as follows:— L., Lacaille's Catalogue of 9766 stars reduced to the year 1750, by Henderson; Lal., Lalande's Catalogue of 47390 stars for the year 1800, as published by the British Association; P., the Catalogue of Piazzi for the year 1800; B., the Catalogue of Brisbane for the year 1825, and O.A., Oeltzen's Catalogue of Argelander's Southern Stars for the year 1850. For the stars in Argelander's Durchmusterung and in Weisse's Catalogue of Bessel's Zones, the name of the constellation is generally omitted, the former are marked "Arg.," followed by the declination of the zone and the star's number therein, the latter are marked "Weisse," followed by the Roman numeral indicating the hour, together with the number of the star. Other catalogues are distinguished by the names of the authors, as Yarnall for the Washington Catalogue of 1860, Gould and Stone for the great catalogues of Córdoba, 1875, and the Cape of Good Hope, 1880.

"Mean R.A. 1880·0" and "Mean Year of Observations"—the formation of these columns has already been explained.

The "Number of Observations" gives the total number of observations from which the Mean R.A. for 1880 has been formed.

The "Annual Precession in R.A." has been computed from the formula

$$P = {}^{s.}3{\cdot}07234 + [0{\cdot}12611] \sin \alpha \cot \Delta$$

where P represents the annual precession in R.A., α the mean right ascension, and Δ the mean north polar distance for 1880·0. The coefficients are those of Prof. Peters.

The "Second Term of the Precession in R.A." has been computed from the formula

$$2P' = G + [0{\cdot}46606]\, a\, b + [9{\cdot}16386]\, c\, d$$

where P′ represents the second term of the precession, G a quantity dependent on the variation of Peters's coefficients, which has been tabulated from the expression $G = {}^{s.}0{\cdot}00322 - {}^{s.}0{\cdot}0004304$ P., and a, b, c, and d are the star numbers of which the formation will be explained farther on. Instead of P′ it is usual in most star catalogues to give 2 P′ under the name of the secular variation of the annual precession. Where, however, the terms of the third order are given, as in this catalogue, it is more convenient to give P′, so that all the terms may be symmetrical.

The "Third Term of the Precession in R.A." has been computed from the formula

$$\begin{aligned} 100{,}000\, P'' = {} & + 2{\cdot}42 - 0{\cdot}14 \sin 2\alpha + 7{\cdot}26 \cos 2\alpha \\ & + (-10{\cdot}07 \sin \alpha - 0{\cdot}12 \cos \alpha + 3{\cdot}16 \sin 3\alpha) \cot \Delta \\ & + (-0{\cdot}28 \sin 2\alpha + 14{\cdot}52 \cos 2\alpha) \cot {}^2\Delta \\ & + (4{\cdot}2124 \sin 3\alpha) \cot {}^3\Delta \end{aligned}$$

In practice, the values of the first term and of the coefficients of the powers of cot Δ have been taken from a table computed for each minute of right ascension, but this was only done for stars in the neighbourhood of the pole. In other cases the values of P″ have been taken from a table with the right ascensions and polar distances for arguments.

"Annual Proper Motion in R.A." The formation of this column has been already explained. The sum of the annual precession and proper motion is called

the star's annual variation, and for the proper reduction of a star's place from one epoch to another it is necessary to know the second and third terms of the annual variation. Generally these will differ very little from the same terms of the annual precession, but in some instances the proper motions are large enough to make a material difference; in these cases the terms of the second order affected with proper motion have been computed, and given in the foot-notes, as it was thought desirable to keep the precession terms distinct, so as to facilitate subsequent investigations of the proper motions. The computation of P′ and p′ affected with proper motion has been made from the following expressions :—

$$2\,P' = G - [7{\cdot}98777]\; b \operatorname{cosec} \Delta\,(p + 2\,m) + [9{\cdot}16386]\; d\,(P + 2\,M) - [6{\cdot}9866]\; Mm \cot \Delta$$
$$2\,p' = g + [9{\cdot}03776]\; M^2 \sin \Delta \cos \Delta + [9{\cdot}16386]\; d'\,(P + 2\,M)$$

where g is equal to $-\ 0{\cdot}0004304$ p and d' is one of the star numbers. The other letters represent the same quantities as before.

The Logarithms of a, b, c, and d which are Bessel's star numbers in Baily's order, according to the notation of the Nautical Almanac, and Connaissance des Temps, have been derived as follows :—

$$\text{Log } a = 8{\cdot}82391 + \log \cos \alpha + \log \operatorname{cosec} \Delta$$
$$\text{Log } b = 8{\cdot}82391 + \log \sin \alpha + \log \operatorname{cosec} \Delta$$
$$\text{Log } c = \log (3{\cdot}07234 + [0{\cdot}12611] \sin \alpha \cot \Delta)$$
$$\text{Log } d = 8{\cdot}82391 + \log \cos \alpha + \log \cot \Delta$$

"Mean North Polar Distance" and "Mean Year of Observations." The formation of these columns has already been described.

"Number of Observations." The first of these columns gives the total number of observations above the pole; the second, the total number below the pole, from which the two preceding columns have been formed. This distinction has been observed in order to render easy the application of any systematic corrections that may be found necessary. In a few instances where a star has been observed so near the horizon as to render the refraction very uncertain, it has been considered undesirable to combine the result with the one obtained from the upper culmination, it has therefore been placed among the foot-notes.

The Annual Precession in N.P.D. has been computed from the formula

$$p = -\ [1{\cdot}30220] \cos \alpha$$

The Second Term of the Precession in N.P.D. has been computed from the formula

$$2\,p' = g + [9{\cdot}16386]\; c\, d'$$

in which p' represents the second term of the precession and the other letters the same quantities as before. As in the similar case of the right ascensions the quantity $2\,p'$ is the one usually given in star catalogues under the name of the secular variation of the N.P.D.

The Third term of the precession in N.P.D. has been computed from the formula

$$\begin{aligned} 100{,}000\; p'' = &- 2 \sin \alpha + 167 \cos \alpha + 32 \sin {}^2\alpha \cos \alpha \\ &+ (108{\cdot}9 \sin 2\alpha - 4{\cdot}2 \sin {}^2\alpha) \cot \Delta \\ &+ (94{\cdot}78 \sin {}^2\alpha \cos \alpha) \cot {}^2\Delta \end{aligned}$$

The values of the terms were taken from a table as in the similar case of the right ascensions.

"Annual Proper Motion in N.P.D." A similar explanation will apply here to that which has been given for the same quantity in right ascension.

The Logarithms of a', b', c', and d' have been obtained thus—

$$\begin{aligned} \text{Log } a' &= \text{Log } (\sin \alpha \cos \Delta - [9{\cdot}63736] \sin \Delta) \\ \text{Log } b' &= - (\log \cos \alpha + \log \cos \Delta) \\ \text{Log } c' &= - (1{\cdot}30220 + \log \cos \alpha) \\ \text{Log } d' &= \log \sin \alpha \end{aligned}$$

In the computation of a' the following transformation, which usually gives a more accurate result with about half the labour, has been used of late years. Adding the negative logarithm 0·23653 to the sum of the three logarithms used in computing c we get log x, then—

$$\text{Log } a' = - \left\{ 9{\cdot}63736 + \log \sin \Delta + \log\, (1 + x) \right\}$$

the log of $1 + x$ being taken from Gray's tables, which with log x for argument, give the logarithms of $1 + x$ and $1 - x$.

The remaining columns contain the reference numbers to other star catalogues.

Having now the mean place of a star for 1880·0, its position at any other date $1880 + y$ may be found as follows. With the same notation as before and

calling the mean right ascension and north polar distance for the required date a' and Δ' we have—

$$a' = a + (P + M)\ y + 0{\cdot}01\ P'\ y^2 + 0{\cdot}0001\ P''\ y^3 + \&c.$$
$$\Delta' = \Delta + (p + m)\ y + 0{\cdot}01\ p'\ y^2 + 0{\cdot}0001\ p''\ y^3 + \&c.$$

In the practical use of these formulæ, when logarithms are not used, they will generally be more convenient in the following form :—

$$a' = a + y\ \left\{(P + M) + 0{\cdot}01\ y\ (P' + 0{\cdot}01\ y\ P'')\right\}$$
$$\Delta' = \Delta + y\ \left\{(p + m) + 0{\cdot}01\ y\ (p' + 0{\cdot}01\ y\ p'')\right\}$$

The reduction from the mean place at the commencement of the year to the apparent place at a particular time, may be effected by means of the day numbers, logs A, B, C, D, of the Nautical Almanac, in conjunction with the star numbers, logs a, b, c, d, and a', b', c', d', of the catalogue. These star numbers are not constant, but change their values on account of the variability of the star's place and of the coefficients of precession ; still, except in the case of stars within twenty or thirty degrees from the pole, they may be used for many years without leading to sensible error. For special stars, whose places are frequently required, it is convenient to compute the star numbers for every fifth or tenth year, and obtain the intermediate values by interpolation. The use of the star numbers, however, may be completely avoided by the employment of the independent quantities f, log g, G, log h, H, and log i, which are now given in the Nautical Almanac for every day of the year, and effect the reduction with little more labour than by the former method. As Bessel's notation is preserved in the independent quantities, the sign of the resulting correction in declination must be changed, when it will apply as before to the north polar distance.

The preceding simple formulæ enable us to obtain the mean place of a star very accurately for any date not very distant from 1880, unless the star is near the pole ; thus the interval may amount to a century when the polar distance exceeds fifteen degrees, and the resulting error will be very small. But in the case of stars not far from the pole, especially when the interval of time is large, it would be necessary to take into account many terms of the precession depending on higher powers of y than the third. In such cases, however, it is better to

have recourse to the formulæ of Bohnenberger and Bessel for the application of which the following table has been formed with Peters's elements.

Year.	β	Diff.	γ	Diff.	θ	Diff.	Nat. Sin. θ.	Diff.	Log. ε.
	′ ″	″	′ ″	″	′ ″	″			
1750	− 49 55·447	230·366	− 49 53·296	230·148	− 43 27·635	200·627	− 0·0126418	9726	5·314443
1760	− 46 5·081	230·354	− 46 3·148	230·185	− 40 7·008	200·621	− 0·0116692	9725	5·314440
1770	− 42 14·727	230·343	− 42 12·963	230·221	− 36 46·387	200·616	− 0·0106967	9726	5·314438
1780	− 38 24·384	230·330	− 38 22·742	230·258	− 33 25·771	200·608	− 0·0097241	9725	5·314435
1790	− 34 34·054	230·321	− 34 32·484	230·298	− 30 5·163	200·603	− 0·0087516	9726	5·314433
1800	− 30 43·733	230·310	− 30 42·186	230·334	− 26 44·560	200·595	− 0·0077790	9724	5·314432
1810	− 26 53·423	230·300	− 26 51·852	230·372	− 23 23·965	200·589	− 0·0068066	9725	5·314430
1820	− 23 3·123	230·288	− 23 1·480	230·409	− 20 3·376	200·582	− 0·0058341	9724	5·314429
1830	− 19 12·835	230·278	− 19 11·071	230·448	− 16 42·794	200·574	− 0·0048617	9724	5·314428
1840	− 15 22·557	230·267	− 15 20·623	230·485	− 13 22·220	200·567	− 0·0038893	9724	5·314427
1850	− 11 32·290	230·258	− 11 30·138	230·524	− 10 1·653	200·560	− 0·0029169	9723	5·314426
1860	− 7 42·032	230·246	− 7 39·614	230·562	− 6 41·093	200·550	− 0·0019446	9723	5·314426
1870	− 3 51·786	230·237	− 3 49·052	230·601	− 3 20·543	200·543	− 0·0009723	9723	5·314425
1880	− 0 1·549	230·227	+ 0 1·549	230·638	0 0·000	200·534	0·0000000	9722	5·314425
1890	+ 3 48·678	230·217	+ 3 52·187	230·677	+ 3 20·534	200·525	+ 0·0009722	9722	5·314425
1900	+ 7 38·895	230·208	+ 7 42·864	230·716	+ 6 41·059	200·516	+ 0·0019444	9721	5·314426
1910	+ 11 29·103	230·198	+ 11 33·580	230·755	+ 10 1·575	200·507	+ 0·0029165	9721	5·314426
1920	+ 15 19·301	230·187	+ 15 24·335	230·793	+ 13 22·082	200·496	+ 0·0038886	9720	5·314427
1930	+ 19 9·488	230·179	+ 19 15·128	230·833	+ 16 42·578	200·488	+ 0·0048606	9720	5·314428
1940	+ 22 59·667	230·170	+ 23 5·961	230·871	+ 20 3·066	200·477	+ 0·0058326	9719	5·314429
1950	+ 26 49·837	230·160	+ 26 56·832	230·911	+ 23 23·543	200·467	+ 0·0068045	9719	5·314430
1960	+ 30 39·997	230·152	+ 30 47·743	230·951	+ 26 44·010	200·456	+ 0·0077764	9718	5·314432
1970	+ 34 30·149	230·142	+ 34 38·694	230·989	+ 30 4·466	200·445	+ 0·0087482	9717	5·314433
1980	+ 38 20·291	230·133	+ 38 29·683	231·029	+ 33 24·911	200·435	+ 0·0097199	9717	5·314435
1990	+ 42 10·424	230·124	+ 42 20·712	231·068	+ 36 45·346	200·423	+ 0·0106916	9716	5·314438
2000	+ 46 0·548		+ 46 11·780		+ 40 5·769		+ 0·0116632		5·314440

With the same notation as before, only expressing α and α' in arc, and when the proper motion is taken into account using $\alpha + yM$ in place of α, and $\Delta + ym$ instead of Δ, the following are Bessel's equations, in which, for brevity, β and γ are put for his $z + \lambda$ and $z' - \lambda'$:—

$$\text{Let } A = \alpha + \beta \qquad \text{and } q = \sin\theta\,(\cot\Delta + \tan\tfrac{1}{2}\theta\cos A)$$

$$\text{Then } \tan(A' - A) = \frac{q\sin A}{1 - q\cos A} \qquad \alpha' = A + (A' - A) + \gamma$$

$$\text{And } \tan\tfrac{1}{2}(\Delta' - \Delta) = -\frac{\cos\frac{1}{2}(A' + A)}{\cos\frac{1}{2}(A' - A)}\tan\tfrac{1}{2}\theta$$

For practical use, however, the following modification of these equations will be generally found more convenient:—

$$\text{Let } A = \alpha + \beta \qquad \text{and } n = \sin\theta\cos A\cot\Delta + \operatorname{ver}\theta\cos^2 A$$

$$\text{Then } \tan\zeta = \frac{n}{1 - n}\tan A \qquad \alpha' = A + \zeta + \gamma$$

$$\text{And } \Delta' - \Delta = -\varepsilon\sin\theta\cos(\tfrac{1}{2}\zeta + A)\sec\tfrac{1}{2}\zeta$$

The value of $\Delta' - \Delta$ from the last equation will be slightly too large, but the greatest error for the period over which the table extends will be only 0″·03. If required, however, the correction can be taken from the following small table:—

$\Delta' - \Delta$	Correction
	″
0′	0·000
23	0·005
33	0·015
39	0·025
44	0 035

In the equation for n the second term may generally be neglected when the interval does not exceed 40 years, or, if necessary, its value may be taken from the following table:—

A				θ in minutes of arc.																				
				2′	4′	6′	8′	10′	12′	14′	16′	18′	20′	22′	24′	26′	28′	30′	32′	34′	36′	38′	40′	42′	44′
°	°	°	°																						
0	180	180	360	0	1	2	3	4	6	8	11	14	17	20	24	29	33	38	43	49	55	61	68	75	82
5	175	185	355	0	1	1	3	4	6	8	11	14	17	20	24	28	33	38	43	49	54	61	67	74	81
10	170	190	350	0	1	1	3	4	6	8	10	13	16	20	24	28	32	37	42	47	53	59	66	72	79
15	165	195	345	0	1	1	3	4	6	8	10	13	16	19	23	27	31	36	40	46	51	57	63	70	76
20	160	200	340	0	1	1	2	4	5	7	10	12	15	18	22	25	29	34	38	43	48	54	60	66	72
25	155	205	335	0	1	1	2	3	5	7	9	11	14	17	20	23	27	31	36	40	45	50	56	61	67
30	150	210	330	0	1	1	2	3	5	6	8	10	13	15	18	21	25	29	32	37	41	46	51	56	61
35	145	215	325	0	0	1	2	3	4	6	7	9	11	14	16	19	22	26	29	33	37	41	45	50	55
40	140	220	320	0	0	1	2	2	4	5	6	8	10	12	14	17	19	22	25	29	32	36	40	44	48
45	135	225	315	0	0	1	1	2	3	4	5	7	8	10	12	14	17	19	22	24	27	31	34	37	41
50	130	230	310	0	0	1	1	2	3	3	4	6	7	8	10	12	14	16	18	20	23	25	28	31	34
55	125	235	305	0	0	0	1	1	2	3	4	5	6	7	8	9	11	13	14	16	18	20	22	25	27
60	120	240	300	0	0	0	1	1	2	2	3	3	4	5	6	7	8	10	11	12	14	15	17	19	20
65	115	245	295	0	0	0	0	1	1	1	2	2	3	4	4	5	6	7	8	9	10	11	12	13	15
70	110	250	290	0	0	0	0	0	1	1	1	2	2	2	3	3	4	4	5	6	6	7	8	9	10
75	105	255	285	0	0	0	0	0	0	1	1	1	1	1	2	2	2	3	3	3	4	4	5	5	5
80	100	260	280	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2
85	95	265	275	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
90	90	270	270	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The above values are all positive, and are expressed in units of the sixth decimal place. For ordinary values of θ the logarithm of ver θ cos ^{2}A can be obtained by

doubling the sum of the logarithms of sin θ and cos A which occur in the expression for n and adding 9·69897 to the result.

Instead of computing the differences of R.A. and N.P.D. as just explained, α' and Δ' may be computed directly; the operations will then be fewer, but seven figure logarithms will be necessary for the work. The formulæ are as follows:—

$$A = \alpha + \beta$$
$$m \sin M = \cos \Delta$$
$$m \cos M = \sin \Delta \cos A$$
$$\sin \Delta' \sin (\alpha' - \gamma) = \sin \Delta \sin A$$
$$\sin \Delta' \cos (\alpha' - \gamma) = m \cos (M + \theta)$$
$$\cos \Delta' = m \sin (M + \theta)$$

As a general remark, it may be stated that in the formation of this catalogue the computations of the values of the first and second terms of the precession and of the logarithms of a, b, c, d, a', b', c', and d', were made in duplicate; the other calculations were performed singly.

SECOND

MELBOURNE GENERAL CATALOGUE OF STARS,

REDUCED TO THE

YEAR 1880.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1	7·3	3	Sculptoris, L. 9722 ...	0 0 6·58	80·85	3	+3·0719	−0·0089	+0·0002	...	+8·9027	+5·5826	+0·4874	−8·6444
2	7·0	2	Phœnicis, B.A.C. 8377	0 1 17·53	76·82	3	+3·0605	−0·0223	+0·0005	−0·009	+9·0937	+6·8450	+0·4858	−9·0198
3	6·8	3	4 Ceti	0 1 35·21	83·86	3	+3·0718	+0·0002	+0·0001	+0·001	+8·8246	+6·6650	+0·4874	−7·5737
4	6·0	3	Sculptoris, B.A.C. 2 ...	0 1 57·31	75·40	4	+3·0648	−0·0091	+0·0002	−0·006	+8·9063	+6·8374	+0·4864	−8·6561
5	2·0	...	α Andromedæ	0 2 11·14	77·96	96	+3·0792	+0·0091	+0·0001	+0·009	+8·8797	+6·8591	+1·4884	+8·5573
6	8·9	4	Arg. + 12° 8	0 4 29·96	82·84	4	+3·0782	+0·0044	+0·0001	...	+8·8343	+7·1274	+0·4883	+8·1716
7	5·0	1	γ^3 Octantis	0 4 33·93	76·19	22	+2·8589	−0·1020	+0·0081	−0·009	+9·7313	+8·0305	+0·4562	−9·7079
8	6·1	3	Phœnicis, B.A.C. 25 ...	0 5 53·97	80·85	3	+3·0404	−0·0124	+0·0002	−0·009	+8·9585	+7·3692	+0·4829	−8·7910
9	2·7	...	γ Pegasi	0 7 3·40	77·57	95	+3·0830	+0·0050	+0·0001	−0·001	+8·8378	+7·3263	+0·4890	+8·2369
10	6·2	2	Phœnicis, B.A.C. 31 ...	0 8 17·21	75·24	2	+3·0014	−0·0197	+0·0004	−0·004	+9·0731	+7·6315	+0·4773	−8·9903
11	4·4	3	7 Ceti	0 8 32·74	83·84	3	+3·0546	−0·0041	+0·0001	−0·002	+8·8495	+7·4212	+0·4849	−8·3751
12	6·0	3	Octantis, B.A.C. 40 ...	0 8 44·18	75·36	33	+2·4008	−0·1094	+0·0142	0·000	+9·9448	+8·5261	+0·3803	−9·9436
13	8·0	4	Piscium, Lal. 198 ...	0 9 21·35	82·84	4	+3·0847	+0·0046	+0·0001	...	+8·8344	+7·4455	+0·4892	+8·1783
14	8·2	2	Arg. + 11° 27	0 10 29·02	82·89	4	+3·0845	+0·0042	+0·0001	...	+8·8319	+7·4925	+0·4892	+8·1230
15	6·3	3	Sculptoris, B.A.C. 49 ...	0 10 39·50	80·85	3	+3·0314	−0·0083	+0·0002	−0·006	+8·9016	+7·5695	+0·4816	−8·6418
16	8·3	1	Arg. + 11° 33	0 11 28·50	82·90	3	+3·0858	+0·0043	+0·0001	...	+8·8320	+7·5319	+0·4894	+8·1270
17	7·0	1	o Octantis	0 12 50·00	75·98	29	−1·3478	+1·6561	−0·9490	−0·005	+0·5947	+9·3433	−0·1296	−0·5947
18	3·3	...	ι Ceti	0 13 18·81	82·94	17	+3·0594	−0·0011	+0·0001	−0·003	+8·8292	+7·5937	+0·4856	−8·0463
19	9·7	4	Weisse, O. 254	0 16 13·72	82·85	4	+3·0972	+0·0054	+0·0001	...	+8·8373	+7·6882	+0·4910	+8·2429
20	6·4	2	9 Ceti	0 16 42·81	83·84	3	+3·0501	−0·0019	+0·0001	+0·027	+8·8338	+7·6975	+0·4843	−8·1818
21	6·6	3	Sculptoris, B.A.C. 77 ...	0 17 12·08	80·85	3	+3·0104	−0·0074	+0·0001	−0·006	+8·8929	+7·7690	+0·4786	−8·6134
22	6·5	2	Phœnicis, B.A.C. 84 ...	0 18 47·91	76·82	3	+2·9337	−0·0156	+0·0003	+0·050	+9·0302	+7·9451	+0·4674	−8·9250
23	3·0	1	β Hydri	0 19 25·30	75·67	68	+2·5431	−0·0440	+0·0022	+0·700	+9·5020	+8·4312	+0·4054	−9·4923
24	6·5	3	Ceti, Lal. 628	0 22 19·85	83·88	3	+3·0224	−0·0039	+0·0001	...	+8·8517	+7·8418	+0·4804	−8·4059
25	5·7	3	Sculptoris, B.A.C. 104	0 22 31·19	75·40	4	+2·9600	−0·0102	+0·0002	+0·006	+8·9413	+7·9350	+0·4713	−8·7545
26	5·8	3	Sculptoris, B.A.C. 108	0 23 30·08	80·86	3	+2·9520	−0·0104	+0·0002	−0·001	+8·9460	+7·9585	+0·4701	−8·7638
27	6·0	...	12 Ceti	0 23 54·85	78·04	79	+3·0611	+0·0004	+0·0001	0·000	+8·8229	+7·8430	+0·4859	−7·7290
28	5·5	3	Ceti, B.A.C. 115 ...	0 24 22·49	83·90	3	+3·0078	−0·0048	+0·0001	−0·004	+8·8623	+7·8907	+0·4782	−8·4792
29	5·5	2	Phœnicis, B.A.C. 119 ...	0 24 37·31	76·82	3	+2·9081	−0·0135	+0·0003	+0·010	+9·0034	+8·0362	+0·4636	−8·8803
30	9·7	4	Weisse, O. 384	0 24 46·36	82·85	4	+3·1124	+0·0059	+0·0001	...	+8·8375	+7·8730	+0·4931	+8·2654
31	5·9	3	Phœnicis, B.A.C. 141 ...	0 28 29·95	80·86	3	+2·9172	−0·0107	+0·0002	+0·003	+8·9571	+8·0540	+0·4650	−8·7916
32	7·0	3	Sculptoris, B.A.C. 144	0 28 48·28	76·86	3	+2·9383	−0·0090	+0·0002	...	+8·9279	+8·0295	+0·4681	−8·7235
33	6·0	2	Phœnicis, B.A.C. 151 ...	0 29 56·88	76·82	3	+2·8190	−0·0161	+0·0003	+0·001	+9·0669	+8·1855	+0·4501	−8·9827
34	5·5	2	Phœnicis, B.A.C. 150 ...	0 29 57·39	75·24	3	+2·8743	−0·0128	+0·0002	0·000	+9·0003	+8·1191	+0·4585	−8·8758
35	7·0	3	15 Ceti	0 31 56·46	83·88	3	+3·0686	+0·0015	+0·0001	−0·005	+8·8198	+7·9668	+0·4869	−7·1275
36	7·7	3	Phœnicis, B.A.C. 171 ...	0 34 8·49	80·86	3	+2·8707	−0·0111	+0·0002	0·000	+8·9731	+8·1494	+0·4580	−8·8260
37	7·2	2	Sculptoris, B.A.C. 179	0 35 8·72	75·24	3	+2·8936	−0·0094	+0·0002	+0·001	+8·9423	+8·1314	+0·4614	−8·7608
38	2·0	...	β Ceti	0 37 33·86	78·50	96	+2·9987	−0·0027	+0·0001	+0·015	+8·8415	+8·0600	+0·4769	−8·3462
39	5·7	2	Phœnicis, B.A.C. 207 ...	0 39 16·40	75·24	3	+2·8573	−0·0098	+0·0002	−0·010	+8·9557	+8·1939	+0·4559	−8·7922
40	7·0	3	Phœnicis, B.A.C. 210 ...	0 39 44·86	80·86	3	+2·8023	−0·0121	+0·0002	+0·009	+9·0047	+8·2483	+0·4475	−8·8857

No. 23. P′ and p′ affected with proper motion $-\overset{s.}{0{\cdot}0758} + \overset{''}{0{\cdot}0232}$.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
1	123 29 3·69	80·85	3	...	−20·054	+0·0044	+0·0017	...	−9·5589	+9·7417	−1·3022	+6·6798	9722	...	32447	...	2
2	147 30 14·88	76·82	3	...	−20·053	+0·0055	+0·0017	+0·05	−9·3763	+9·9260	−1·3022	+7·7513	9730	7381	17	...	10
3	93 13 0·85	83·86	3	...	−20·053	+0·0058	+0·0017	−0·01	−9·6371	+8·7491	−1·3022	+7·8404	...	...	22	...	...
4	124 11 50·51	75·24	3	...	−20·053	+0·0062	+0·0017	−0·01	−9·5607	+9·7497	−1·3022	+7·9311	9735	7383	30	2892	15
5	61 34 20·30	75·86	26	...	−20·053	+0·0064	+0·0017	+0·16	−9·5763	−9·6776	−1·3022	+7·9794	...	7384	...	1	19
6	77 26 41·24	82·84	4	...	−20·050	+0·0087	+0·0017	...	−9·6224	−9·3371	−1·3021	+8·2930	...	...	...	...	...
7	172 53 28·83	76·94	7	7	−20·050	+0·0084	+0·0013	+0·01	−8·8660	+9·9966	−1·3021	+8·2991	9756	5	78	5	37
8	132 50 19·54	80·85	3	...	−20·047	+0·0100	+0·0016	+0·06	−9·5259	+9·8323	−1·3021	+8·4106	9761	9	98	...	46
9	75 29 1·07	76·51	21	...	−20·044	+0·0112	+0·0017	+0·01	−9·6152	−9·3989	−1·3020	+8·4883	...	11	...	7	56
10	145 44 10·25	75·24	3	...	−20·041	+0·0122	+0·0016	+0·06	−9·4380	+9·9169	−1·3019	+8·5581	13	15	134	9	67
11	109 35 52·23	83·84	3	...	−20·040	+0·0126	+0·0017	+0·06	−9·6245	+9·5253	−1·3019	+8·5714	...	...	142	...	70
12	175 39 43·51	76·97	18	19	−20·039	+0·0110	+0·0008	0·00	−8·8501	+9·9984	−1·3019	+8·5810	23	18	147	...	72
13	77 14 51·14	82·84	4	...	−20·037	+0·0135	+0·0017	...	−9·6172	−9·3435	−1·3018	+8·6108	...	...	...	...	...
14	78 43 38·02	82·89	4	...	−20·033	+0·0146	+0·0017	...	−9·6197	−9·2907	−1·3017	+8·6602	...	...	...	...	...
15	123 21 16·03	80·85	3	...	−20·032	+0·0146	+0·0017	−0·03	−9·5888	+9·7397	−1·3017	+8·6674	27	21	183	...	86
16	78 37 26·49	82·90	3	...	−20·029	+0·0156	+0·0017	...	−9·6185	−9·2945	−1·3017	+8·6994	...	...	...	...	...
17	179 1 48·97	74·82	20	20	−20·023	+0·0012	+0·0049	0·00	−8·8014	+9·9993	−1·3015	+8·7479	260	32	222	17	100
18	99 29 21·68	83·86	3	...	−20·020	+0·0173	+0·0017	+0·03	−9·6410	+9·2164	−1·3015	+8·7638	...	...	223	...	101
19	75 15 38·95	82·85	5	...	−20·004	+0·0203	+0·0017	...	−9·6038	−9·4045	−1·3011	+8·8497	...	...	...	...	...
20	102 52 37·86	83·84	3	...	−20·000	+0·0205	+0·0016	−0·07	−9·6427	+9·3469	−1·3010	+8·8625	...	...	284	...	125
21	121 42 5·00	80·85	3	...	−19·998	+0·0207	+0·0016	+0·04	−9·6112	+9·7193	−1·3010	+8·8750	65	34	296	...	130
22	141 42 1·67	76·82	3	...	−19·987	+0·0218	+0·0014	+0·28	−9·5227	+9·8933	−1·3007	+8·9134	75	35	324	...	142
23	167 55 48·53	75·30	23	24	−19·982	+0·0200	+0·0010	−0·32	−9·2393	+9·9887	−1·3006	+8·9276	74	40	336	21	146
24	110 59 43·90	83·88	3	...	−19·959	+0·0257	+0·0016	...	−9·6434	+9·5522	−1·3001	+8·9880	...	...	383	...	...
25	130 34 39·85	75·40	4	...	−19·957	+0·0254	+0·0015	+0·02	−9·5948	+9·8111	−1·3001	+8·9917	99	46	390	24	168
26	131 19 42·81	80·86	3	...	−19·948	+0·0263	+0·0015	−0·04	−9·5948	+9·8175	−1·2999	+9·0101	104	52	410	25	173
27	94 37 13·38	77·01	21	...	−19·945	+0·0275	+0·0017	+0·01	−9·6443	+8·9037	−1·2998	+9·0177	...	...	415	...	178
28	114 27 5·98	83·90	3	...	−19·941	+0·0276	+0·0016	−0·02	−9·6424	+9·6145	−1·2997	+9·0259	106	...	419	26	179
29	138 52 30·68	76·82	3	...	−19·938	+0·0270	+0·0014	...	−9·5636	+9·8744	−1·2997	+9·0303	110	56	427	28	183
30	74 27 48·43	82·85	4	...	−19·937	+0·0288	+0·0018	...	−9·5901	−9·4254	−1·2997	+9·0329	...	...	...	...	...
31	133 5 36·88	80·86	3	...	−19·899	+0·0307	+0·0014	−0·06	−9·6038	+9·8312	−1·2988	+9·0935	133	65	496	35	209
32	128 39 27·64	76·86	4	...	−19·896	+0·0311	+0·0014	...	−9·6203	+9·7922	−1·2988	+9·0981	136	68	502	...	212
33	145 28 53·19	76·82	3	...	−19·883	+0·0311	+0·0013	+0·07	−9·5480	+9·9122	−1·2985	+9·1149	144	70	518	40	218
34	138 39 32·02	75·24	3	...	−19·883	+0·0316	+0·0013	+0·18	−9·5848	+9·8718	−1·2985	+9·1151	143	69	519	39	219
35	91 9 49·69	83·88	3	...	−19·860	+0·0353	+0·0017	+0·02	−9·6401	+8·3035	−1·2980	+9·1428	...	...	558	...	231
36	135 27 21·52	80·86	3	...	−19·832	+0·0353	+0·0013	+0·06	−9·6129	+9·8481	−1·2974	+9·1715	166	79	602	46	247
37	131 11 23·86	75·24	3	...	−19·818	+0·0366	+0·0013	−0·04	−9·6305	+9·8135	−1·2971	+9·1840	174	82	619	49	255
38	108 38 43·79	77·01	24	...	−19·785	+0·0400	+0·0016	−0·03	−9·6658	+9·4989	−1·2963	+9·2126	...	...	657	53	277
39	133 19 48·34	75·24	3	...	−19·760	+0·0398	+0·0013	+0·10	−9·6361	+9·8300	−1·2958	+9·2318	200	96	681	...	293
40	139 29 35·73	80·86	3	...	−19·753	+0·0395	+0·0013	0·00	−9·6160	+9·8744	−1·2956	+9·2369	202	99	691	...	299

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
41	6·2	2	Phœnicis, B.A.C. 212 ...	0 40 7·53	76·82	3	+2·8118	−0·0115	+0·0002	+0·014	+8·9935	+8·2412	+0·4490	−8·8660
42	6·0	1	Piscium, B.A.C. 221 ...	0 42 5·34	78·23	3	+3·0922	+0·0033	+0·0001	+0·048	+8·8180	+8·0869	+0·4903	+7·7281
43	4·3	...	δ Piscium	0 42 27·43	82·81	18	+3·1023	+0·0039	+0·0001	+0·003	+8·8196	+8·0924	+0·4917	+7·9013
44	...	...	ϕ^2 Ceti	0 44 6·93	83·89	3	+3·0213	−0·0006	+0·0001	−0·017	+8·8243	+8·1141	+0·4802	−8·1161
45	6·0	3	Phœnicis, B.A.C. 234 ...	0 44 26·17	80·86	3	+2·8232	−0·0096	+0·0002	+0·001	+8·9591	+8·2522	+0·4507	−8·8013
46	5·5	2	ρ Phœnicis	0 45 13·09	76·82	3	+2·7412	−0·0122	+0·0003	+0·005	+9·0226	+8·3234	+0·4379	−8·9170
47	7·7	4	Octantis, L. 293 ...	0 45 57·69	75·58	23	−1·3400	+0·4573	−0·0719	+0·135	+0·0353	+9·3433	−0·1271	−0·0345
48	6·7	3	Tucanæ, B.A.C. 246 ...	0 47 50·26	73·92	3	+2·3048	−0·0178	+0·0006	+0·007	+9·2835	+8·6095	+0·3626	−9·2569
49	6·0	1	ϕ^3 Ceti	0 50 0·43	83·88	3	+3·0113	−0·0006	+0·0001	−0·004	+8·8229	+8·1688	+0·4787	−8·1378
50	4·0	...	μ Andromedæ	0 50 5·72	76·50	40	+3·2976	+0·0153	+0·0002	+0·014	+8·9160	+8·2626	+0·5182	+8·7039
51	6·0	1	Phœnicis, B.A.C. 265 ...	0 50 33·70	74·93	3	+2·6720	−0·0123	+0·0003	−0·001	+9·0424	+8·3931	+0·4268	−8·9495
52	7·1	3	Ceti, Lal. 1691	0 52 48·69	83·89	3	+2·9595	−0·0026	+0·0001	...	+8·8401	+8·2104	+0·4712	−8·3799
53	7·2	3	Sculptoris, B.A.C. 277	0 53 43·88	80·86	3	+2·8526	−0·0063	+0·0001	...	+8·9000	+8·2781	+0·4552	−8·6617
54	7·5	2	Phœnicis, B.A.C. 279 ...	0 55 14·67	76·82	3	+2·5699	−0·0128	+0·0003	−0·017	+9·0819	+8·4725	+0·4099	−9·0083
55	4·0	...	ε Piscium	0 56 42·91	77·65	75	+3·1140	+0·0044	+0·0001	−0·007	+8·8139	+8·2164	+0·4933	+7·9146
56	5·7	2	ω Phœnicis	0 56 57·00	76·86	4	+2·5532	−0·0125	+0·0003	−0·003	+9·0819	+8·4863	+0·4071	−9·0087
57	5·2	2	Phœnicis, B.A.C. 294 ...	0 57 24·42	76·82	3	+2·7164	−0·0094	+0·0002	−0·005	+8·9767	+8·3847	+0·4340	−8·8411
58	6·3	2	26 Ceti	0 57 38·49	83·89	3	+3·0765	+0·0027	+0·0001	+0·007	+8·8101	+8·2199	+0·4881	+6·9112
59	7·6	4	Tucanæ, B.A.C. 304[1] ...	0 58 25·00	76·88	4	+2·4706	−0·0130	+0·0003	0·000	+9·1205	+8·5365	+0·3928	−9·0612
60	7·7	3	Tucanæ, B.A.C. 304[2] ...	0 58 25·63	76·87	3	+2·4706	−0·0130	+0·0003	...	+9·1205	+8·5365	+0·3928	−9·0612
61	6·5	1	73 Piscium	0 58 39·62	78·64	4	+3·1020	+0·0038	+0·0001	+0·002	+8·8112	+8·2290	+0·4916	+7·7526
62	6·5	3	Sculptoris, B.A.C. 306	0 58 52·72	80·89	3	+2·8417	−0·0057	+0·0001	...	+8·8917	+8·3112	+0·4536	−8·6413
63	7·5	3	Sculptoris	1 0 19·92	80·86	4	+2·8507	−0·0052	+0·0001	...	+8·8826	+8·3132	+0·4550	−8·6128
64	6·0	1	Sculptoris, B.A.C. 319	1 0 48·91	74·92	3	+2·8148	−0·0062	+0·0001	+0·002	+8·9022	+8·3363	+0·4494	−8·6745
65	5·0	3	υ Phœnicis	1 2 18·81	80·89	3	+2·7476	−0·0076	+0·0002	0·000	+8·9375	+8·3828	+0·4389	−8·7641
66	3·0	3	η Ceti	1 2 33·20	83·89	3	+3·0035	0·0000	+0·0001	+0·012	+8·8153	+8·2624	+0·4776	−8·0888
67	2·3	...	β Andromedæ	1 3 0·91	81·51	18	+3·3264	+0·0143	+0·0002	+0·014	+8·8938	+8·3442	+0·5220	+8·6522
68	7·3	5	Octantis, L. 360 ...	1 6 4·97	76·12	24	−0·6915	+0·2091	−0·0192	0·000	+9·8034	+9·2756	−9·8398	−9·8012
69	6·0	1	ζ^1 Piscium	1 7 27·74	78·20	3	+3·1196	+0·0045	+0·0001	+0·008	+8·8080	+8·2897	+0·4941	+7·8902
70	4·7	2	ν Phœnicis	1 9 45·92	75·24	3	+2·6549	−0·0079	+0·0002	+0·064	+8·9631	+8·4602	+0·4240	−8·8213
71	5·8	3	39 Ceti	1 10 30·75	83·89	3	+3·0502	+0·0021	+0·0001	−0·009	+8·8037	+8·3058	+0·4843	−7·5412
72	6·0	1	Phœnicis, B.A.C. 399 ...	1 13 24·95	74·93	3	+2·6663	−0·0071	+0·0002	−0·017	+8·9440	+8·4640	+0·4259	−8·7855
73	5·0	...	ξ Andromedæ	1 15 16·82	73·93	3	+3·5021	+0·0209	+0·0002	+0·003	+8·9498	+8·4823	+0·5443	+8·7985
74	7·0	3	Phœnicis, B.A.C. 407 ...	1 16 16·57	80·89	3	+2·6237	−0·0072	+0·0002	+0·007	+8·9558	+8·4945	+0·4189	−8·8110
75	6·5	2	Sculptoris, B.A.C. 415	1 17 14·67	76·91	4	+2·7365	−0·0053	+0·0001	−0·002	+8·8977	+8·4423	+0·4372	−8·6794
76	6·1	3	Sculptoris, B.A.C. 421	1 17 55·75	80·92	3	+2·7983	−0·0041	+0·0001	−0·005	+8·8679	+8·4166	+0·4469	−8·5868
77	3·0	...	θ Ceti	1 18 1·48	78·00	85	+3·0032	+0·0009	+0·0001	−0·007	+8·8034	+8·3527	+0·4776	−7·9882
78	6·5	2	Phœnicis, B.A.C. 423 ...	1 18 20·57	76·86	3	+2·6747	−0·0062	+0·0001	−0·007	+8·9241	+8·4753	+0·4273	−8·7461
79	7·7	3	Sculptoris, B.A.C. 445	1 23 8·93	80·89	3	+2·7927	−0·0036	+0·0001	+0·011	+8·8594	+8·4387	+0·4460	−8·5651
80	5·4	3	48 Ceti	1 23 50·55	83·90	3	+2·8767	−0·0018	+0·0001	+0·001	+8·8278	+8·4111	+0·4589	−8·4060

		s.	″
No. 42.	P′ and p′ affected with proper motion	+ 0·0032	+ 0·0468.
No. 47.	,, ,, ,,	+ 0·4371	− 0·0114.
No. 70.	,, ,, ,,	− 0·0085	+ 0·0648.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
41	138 12 39·52	76·82	3	...	−19·747	+0·0400	+0·0013	−0·c8	−9·6222	+9·8658	−1·2955	+9·2410	207	100	702	58	305
42	85 20 12·32	78·22	3	...	−19·717	+0·0454	+0·0017	+1.15	−9·6207	−8·9027	−1·2948	+9·2615	...	...	...	59	317
43	83 3 5·27	83·88	2	...	−19·711	+0·0459	+0·0017	+0·04	−9·6111	−9·0742	−1·2947	+9·2653	...	...	...	60	318
44	101 17 28·20	83·88	3	...	−19·683	+0·0464	+0·0016	+0·21	−9·6655	+9·2837	−1·2941	+9·2817	...	...	757	...	328
45	134 2 56·20	80·86	3	...	−19·678	+0·0439	+0·0013	−0·06	−9·6491	+9·8399	−1·2940	+9·2848	231	107	759	63	331
46	141 38 31·01	78·23	3	...	−19·665	+0·0434	+0·0012	−0·05	−9·6263	+9·8859	−1·2937	+9·2923	233	109	769	65	335
47	176 32 48·62	76·90	11	14	−19·652	−0·0152	+0·0047	−0·03	−9·3520	+9·9904	−1·2934	+9·2992	293	...	782	...	337
48	160 9 12·71	73·63	2	3	−19·619	+0·0390	+0·0007	...	−9·5343	+9·9639	−1·2927	+9·3164	250	114	810	68	348
49	101 54 59·69	83·88	3	...	−19·579	+0·0517	+0·0015	−0·02	−9·6714	+9·3045	−1·2918	+9·3354	...	...	851	...	364
50	52 9 7·73	75·95	20	...	−19·577	+0·0563	+0·0020	−0·05	−9·3213	−9·7774	−1·2917	+9·3361	...	...	...	...	...
51	143 50 28·14	74·93	3	...	−19·568	+0·0468	+0·0011	+0·03	−9·6361	+9·8964	−1·2915	+9·3401	259	121	861	71	367
52	110 16 50·72	83·89	3	...	−19·524	+0·0535	+0·0015	...	−9·6868	+9·5282	−1·2906	+9·3587	...	...	...	...	...
53	125 17 5·09	80·86	3	...	−19·505	+0·0525	+0·0013	−0·03	−9·6887	+9·7496	−1·2901	+9·3361	269	...	916	...	384
54	147 34 35·47	76·82	3	...	−19·474	+0·0490	+0·0009	+0·02	−9·6376	+9·9137	−1·2895	+9·3779	279	130	935	...	389
55	82 45 22·39	76·35	23	...	−19·443	+0·0598	+0·0017	−0·04	−9·6015	−9·0872	−1·2888	+9·3891	...	...	...	76	400
56	147 38 56·03	76·86	4	...	−19·438	+0·0500	+0·0010	+0·02	−9·6434	+9·9132	−1·2886	+9·3908	288	136	959	78	402
57	137 2 34·12	76·82	3	...	−19·428	+0·0533	+0·0011	0·00	−9·6786	+9·8507	−1·2884	+9·3942	289	137	965	79	407
58	89 16 36·56	83·89	3	...	−19·423	+0·0600	+0·0009	+0·04	−9·6342	−8·0873	−1·2883	+9·3960	...	...	...	...	...
59	150 44 21·08	76·88	4	...	−19·406	+0·0496	+0·0009	+0·03	−9·6355	+9·9264	−1·2879	+9·4017	297	...	982	...	414
60	150 44 23·11	76·88	4	...	−19·406	+0·0496	+0·0009	+0·03	−9·6355	+9·9264	−1·2879	+9·4017	...	...	983	...	415
61	84 59 14·89	78·22	3	...	−19·401	+0·0614	+0·0016	+0·01	−9·6129	−8·9270	−1·2878	+9·4034	...	...	...	...	417
62	124 10 34·39	80·89	3	...	−19·396	+0·0568	+0·0012	−0·01	−9·7004	+9·7350	−1·2877	+9·4050	296	...	986	...	418
63	122 29 46·74	80·86	4	...	−19·363	+0·0582	+0·0013	...	−9·7039	+9·7149	−1·2870	+9·4153	...	...	1018	...	...
64	126 18 9·36	74·93	3	...	−19·352	+0·0580	+0·0012	+0·01	−9·7032	+9·7569	−1·2867	+9·4187	305	144	1025	...	431
65	132 7 42·92	80·89	4	...	−19·317	+0·0580	+0·0011	−0·03	−9·7006	+9·8103	−1·2859	+9·4290	312	153	1052	85	443
66	100 49 7·45	83·88	3	...	−19·312	+0·0632	+0·0015	+0·12	−9·6783	+9·2571	−1·2858	+9·4307	...	...	1056	...	444
67	55 0 58·12	77·92	5	...	−19·301	+0·0700	+0·0020	+0·08	−9·3006	−9·7418	−1·2856	+9·4338	...	152	1114	...	447
68	174 13 55·39	76·90	16	17	−19·226	−0·0102	+0·0030	0·00	−9·5139	+9·9795	−1·2839	+9·4539	360	...	...	...	461
69	83 3 34·30	78·20	3	...	−19M92	+0·0701	+0·0017	+0·05	−9·5973	−9·0631	−1·2831	+9·4626	...	...	...	...	468
70	136 10 21·53	75·24	3	...	−19·132	+0·0621	+0·0011	−0·15	−9·7132	+9·8378	−1·2818	+9·4767	337	172	1174	96	483
71	93 7 56·66	83·88	4	...	−19·112	+0·0714	+0·0016	+0·06	−9·6530	+8·7166	−1·2813	+9·4812	...	...	1187	...	...
72	133 57 52·32	74·93	3	...	−19·034	+0·0653	+0·0011	−0·07	−9·7250	+9·8188	−1·2795	+9·4982	358	181	1238	...	506
73	45 6 0·38	73·93	3	...	−18·982	+0·0865	+0·0022	−0·01	−8·9011	−9·8249	−1·2783	+9·5086	...	...	...	...	...
74	135 46 5·78	80·89	3	...	−18·954	+0·0666	+0·0010	−0·08	−9·7298	+9·8307	−1·2777	+9·5142	371	...	1291	...	521
75	127 13 25·74	76·91	4	...	−18·926	+0·0700	+0·0012	+0·08	−9·7368	+9·7565	−1·2770	+9·5194	376	190	1310	...	533
76	121 34 16·30	80·92	3	...	−18·906	+0·0721	+0·0012	+0·04	−9·7358	+9·6933	−1·2766	+9·5231	384	187	1323	...	540
77	99 48 10·28	76·82	22	...	−18·903	+0·0771	+0·0014	+0·20	−9·6811	+9·1591	−1·2765	+9·5236	...	...	1326	105	543
78	131 34 47·90	76·86	3	...	−18·894	+0·0694	+0·0011	+0·09	−9·7380	+9·7961	−1·2763	+9·5253	388	195	1332	...	546
79	120 30 50·70	80·89	3	...	−18·749	+0·0763	+0·0012	−0·01	−9·7435	+9·6764	−1·2730	+9·5501	...	...	1410	...	579
80	112 15 1·00	83·90	3	...	−18·727	+0·0791	+0·0012	...	−9·7300	+9·5485	−1·2725	+9·5535	423	...	1421	114	484

No. 47. The proper motions of this star depend on a period of only 14 years.

No. 48. Double, Companion, 7 mag., 3″·8 North, and following 4·08.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
81	3·7	..	η Piscium	1 25 3·75	77·85	76	+3·1998	+0·0071	+0·0001	0·000	+8·8078	+8·3980	+0·5051	+8·2130
82	6·1	3	Sculptoris, B.A.C. 460	1 26 10·22	80·92	3	+2·7785	−0·0035	+0·0001	0·000	+8·8589	+8·4553	+0·4438	−8·5695
83	6·0	1	Phœnicis, B.A.C. 463...	1 26 32·86	74·93	3	+2·5584	−0·0063	+0·0001	−0·006	+8·9519	+8·5504	+0·4080	−8·8103
84	6·5	1	Phœnicis, B.A.C. 478...	1 29 15·37	74·93	3	+2·5410	−0·0061	+0·0001	+0·002	+8·9508	+8·5640	+0·4050	−8·8100
85	6·3	1	101 Piscium	1 29 21·44	83·52	5	+3·1995	+0·0070	+0·0001	−0·001	+8·8032	+8·4170	+0·5051	+8·1883
86	6·1	3	Sculptoris, B.A.C. 497	1 29 22·09	80·89	3	+2·7485	−0·0036	+0·0001	−0·007	+8·8640	+8·4778	+0·4391	−8·5943
87	5·5	1	50 Ceti	1 30 7·79	83·94	3	+2·9253	−0·0003	+0·0001	0·000	+8·8066	+8·4245	+0·4662	−8·2473
88	3·3	...	51 Andromedæ	1 30 37·99	73·93	3	+3·6447	+0·0242	+0·0002	+0·006	+8·9637	+8·5843	+0·5617	+8·8349
89	5·5	...	Hydri, B.A.C. 512 ...	1 32 52·52	79·52	5	+0·3318	+0·0599	−0·0028	−0·014	+9·5111	+9·1435	+9·5208	−9·5032
90	1·1	...	α Eridani	1 33 14·52	75·79	33	+2·2307	−0·0064	+0·0002	+0·003	+9·0609	+8·6952	+0·3484	−8·9885
91	6·0	1	Phœnicis, B.A.C. 506...	1 33 23·45	74·93	3	+2·5689	−0·0053	+0·0001	−0·014	+8·9265	+8·5617	+0·4097	−8·7646
92	4·7	...	ν Piscium	1 35 11·19	77·75	70	+3·1184	+0·0045	+0·0001	−0·003	+8·7869	+8·4313	+0·4939	+7·7167
93	6·0	1	Phœnicis, B.A.C. 526...	1 36 11·06	75·17	4	+2·6352	−0·0044	+0·0001	0·000	+8·8924	+8·5419	+0·4208	−8·6888
94	5·8	3	Sculptoris, B.A.C. 527	1 36 43·47	80·89	3	+2·7176	−0·0033	+0·0001	−0·010	+8·8601	+8·5124	+0·4342	−8·5954
95	5·2	2	Hydri, B.A.C. 531 ...	1 37 41·31	76·86	3	+2·0588	−0·0049	+0·0002	−0·004	+9·1031	+8·7602	+0·3136	−9·0465
96	3·2	1	τ Ceti	1 38 29·50	83·94	3	+2·9066	−0·0002	+0·0001	−0·122	+8·8009	+8·4621	+0·4634	−8·2560
97	4·0	...	o Piscium	1 39 3·44	83·03	11	+3·1566	+0·0056	+0·0001	+0·003	+8·7869	+8·4509	+0·4992	+7·9593
98	5·7	1	Ceti, B.A.C. 539 ...	1 39 57·84	83·95	3	+3·0096	+0·0020	+0·0001	0·000	+8·7839	+8·4524	+0·4785	−7·8265
99	5·1	2	ε Sculptoris	1 40 1·36	83·97	3	+2·8009	−0·0018	+0·0001	+0·008	+8·8262	+8·4950	+0·4473	−8·4626
100	5·7	7	Octantis, B.A.C. 557 ...	1 41 11·68	75·96	32	−2·0091	+0·2817	−0·0214	+0·080	+9·7320	+9·4065	−0·3030	−9·7293
101	5·2	3	Phœnicis, B.A.C. 548...	1 41 23·26	75·95	3	+2·3550	−0·0054	+0·0001	−0·003	+8·9850	+8·6605	+0·3720	−8·8780
102	8·3	3	Sculptoris, L. 522 ...	1 42 12·33	80·90	3	+2·7351	−0·0026	+0·0001	...	+8·8431	+8·5226	+0·4370	−8·5462
103	6·3	3	Phœnicis, B.A.C. 553...	1 42 33·30	80·93	3	+2·6243	−0·0038	+0·0001	−0·002	+8·8809	+8·5621	+0·4190	−8·6679
104	6·0	4	Octantis, B.A.C. 584 ...	1 44 29·17	75·43	40	−4·2038	+0·6245	−0·0644	−0·007	+9·8706	+9·5611	−0·6236	−9·8692
105	6·1	4	Phœnicis, B.A.C. 563...	1 44 37·98	75·74	5	+2·5949	−3·0039	+0·0001	−0·002	+8·8865	+8·5777	+0·4141	−8·6855
106	3·3	1	ζ Ceti	1 45 32·16	83·95	4	+2·9576	+0·0012	+0·0001	0·000	+8·7841	+8·4796	+0·4709	−8·0619
107	5·7	2	Phœnicis, B.A.C. 571...	1 46 14·91	75·93	3	+2·3393	−0·0049	+0·0001	−0·008	+8·9747	+8·6736	+0·3691	−8·8640
108	4·2	1	ξ Piscium...	1 47 20·56	83·93	2	+3·0997	+0·0042	+0·0001	0·000	+8·7749	+8·4790	+0·4913	+7·4307
109	2·7	1	β Arietis	1 48 0·69	78·57	75	+3·2959	+0·0091	+0·0001	+0·005	+8·8014	+8·5086	+0·5180	+8·3400
110	5·8	3	Phœnicis, B.A.C. 578...	1 48 13·08	75·69	4	+2·5766	−0·0037	+0·0001	+0·008	+8·8842	+8·5924	+0·4110	−8·6848
111	5·1	3	Phœnicis, B.A.C. 582...	1 48 49·96	80·89	3	+2·4193	−0·0044	+0·0001	−0·012	+8·9383	+8·6494	+0·3837	−8·8017
112	6·0	...	Arietis, B.A.C. 609 ...	1 53 0·52	74·96	1	+3·2035	+0·0066	+0·0001	0·000	+8·7780	+8·5082	+0·5056	+8·0855
113	6·6	1	Phœnicis, B.A.C. 613...	1 53 27·12	80·89	3	+2·5054	−0·0036	+0·0001	0·000	+8·8956	+8·6279	+0·3989	−8·7190
114	3·9	3	υ Ceti	1 54 20·91	83·90	3	+2·8183	−0·0006	+0·0001	+0·006	+8·7992	+8·5356	+0·4500	−8·3664
115	3·0	...	α Hydri	1 54 59·34	73·73	6	+1·8552	−0·0012	+0·0001	+0·040	+9·0974	+8·8366	+0·2684	−9·0439
116	6·5	1	Hydri, B.A.C. 638 ...	1 56 4·56	73·70	7	−0·2439	+0·0818	−0·0035	+0·034	+9·4825	+9·2266	−9·3873	−9·4744
117	2·3	...	γ^1 Andromedæ	1 56 32·25	73·98	2	+3·6533	+0·0196	+0·0013	+0·002	+8·8924	+8·6386	+0·5627	+8·7158
118	6·3	3	61 Ceti	1 57 39·63	83·92	3	+3·0618	+0·0035	+0·0001	+0·004	+8·7640	+8·5152	+0·4860	−6·9679
119	6·9	...	Octantis, B.A.C. 655 ...	1 59 33·15	71·54	3	−1·7173	+0·2020	−0·0116	+0·020	+9·6228	+9·3823	−0·2348	−9·6186
120	2·0	...	α Arietis	2 0 24·56	78·15	79	+3·3555	+0·0102	+0·0001	+0·013	+8·7966	+8·5599	+0·5258	+8·3866

No. 96. P′ and p′ affected with proper motion $+\overset{s.}{0{\cdot}0004} + \overset{''}{0{\cdot}0846}$.
No. 100. " " " $+0{\cdot}2788 - 0{\cdot}0538$.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
81	75 16 23·48	76·24	25	...	−18·688	+0·0886	+0·0018	0·00	−9·5151	−9·3746	−1·2716	+9·5595	...	...	...	116	594
82	120 53 57·55	80·92	3	...	−18·653	+0·0784	+0·0012	+0·07	−9·7488	+9·6791	−1·2707	+9·5649	437	215	1461	...	599
83	136 11 38·92	74·93	3	...	−18·641	+0·0728	+0·0010	+0·03	−9·7531	+9·8266	−1·2705	+9·5667	442	219	1469	119	606
84	136 18 32·85	74·93	4	...	−18·552	+0·0743	+0·0010	−0·10	−9·7591	+9·8254	−1·2684	+9·5794	460	225	1525	...	623
85	75 57 9·58	83·52	5	...	−18·549	+0·0927	+0·0018	0·00	−9·5167	−9·3512	−1·2683	+9·5799	...	...	..	...	...
86	122 30 20·52	80·89	3	...	−18·549	+0·0802	+0·0012	+0·04	−9·7560	+9·6964	−1·2683	+9·5799	457	224	1527	...	625
87	106 0 51·91	83·94	3	...	−18·523	+0·0857	...	−0·03	−9·7183	+9·4062	−1·2677	+9·5834	...	...	1540	...	630
88	41 58 44·30	73·93	3	...	−18·506	+0·1068	+0·0026	+0·12	−7·5832	−9·8363	−1·2673	+9·5857	...	...	...	124	...
89	169 6 50·39	79·52	1	1	−18·430	+0·0135	+0·0012	+0·19	−9·6712	+9·9554	−1·2655	+9·5957	505	242	1586	133	645
90	147 50 47·65	75·83	14	18	−18·417	+0·0683	+0·0007	+0·05	−9·7528	+9·8907	−1·2652	+9·5974	484	239	1594	132	650
91	133 32 14·91	74·93	3	...	−18·412	+0·0782	+0·0010	−0·01	−9·7690	+9·8010	−1·2651	+9·5980	481	238	1596	...	652
92	85 7 12·45	76·39	26	...	−18·349	+0·0948	+0·0017	0·00	−9·5998	−8·8912	−1·2636	+9·6058	...	...	...	134	665
93	128 44 29·69	75·17	4	...	−18·313	+0·0822	+0·0010	−0·02	−9·7733	+9·7570	−1·2628	+9·6101	496	245	1648	137	672
94	122 55 56·18	80·89	3	...	−18·294	+0·0851	+0·0012	+0·02	−9·7685	+9·6954	−1·2623	+9·6124	500	246	1660	138	675
95	151 23 38·25	76·86	3	...	−18·260	+0·0660	+0·0006	+0·04	−9·7564	+9·9027	−1·2615	+9·6164	507	250	1677	140	681
96	106 34 10·75	83·94	3	...	−18·231	+0·0922	+0·0014	−0·86	−9·7281	+9·4137	−1·2608	+9·6198	...	...	1688	142	685
97	81 26 47·89	83·88	2	...	−18·210	+0·1003	+0·0017	−0·05	−9·5644	−9·1305	−1·2603	+9·6221	...	...	...	143	688
98	96 20 2·83	83·95	3	...	−18·176	+0·0966	+0·0015	0·00	−9·6793	+9·0000	−1·2595	+9·6258	...	...	1709	...	695
99	115 39 10·24	83·97	4	...	−18·174	+0·0902	+0·0012	+0·07	−9·7590	+9·5937	−1·2594	+9·6260	511	...	1713	144	696
100	173 35 7·27	77·14	14	17	−18·131	−0·0587	+0·0065	−0·15	−9·6750	+9·9535	−1·2584	+9·6307	576	262	1738	151	700
101	141 24 59·40	75·95	4	...	−18·123	+0·0774	+0·0007	+0·02	−9·7819	+9·8491	−1·2582	+9·6315	520	253	1733	145	702
102	120 19 13·42	80·90	3	...	−18·093	+0·0899	+0·0011	...	−9·7725	+9·6584	−1·2575	+9·6348	522	...	1749	...	707
103	127 45 32·85	80·92	3	...	−18·080	+0·0867	+0·0010	−0·02	−9·7839	+9·7420	−1·2572	+9·6362	526	257	1756	147	710
104	175 22 29·73	76·33	20	25	−18·006	−0·1311	+0·0162	−0·11	−9·6756	+9·9518	−1·2554	+9·6437	634	277	1800	...	725
105	129 0 29·35	75·69	4	...	−18·000	+0·0872	+0·0010	−0·34	−9·7886	+9·7520	−1·2553	+9·6443	536	260	1791	152	727
106	100 55 42·39	83·95	5	...	−17·965	+0·0997	+0·0014	+0·03	−9·7078	+9·2300	−1·2544	+9·6478	...	...	1805	...	734
107	140 48 1·43	75·92	3	...	−17·937	+0·0801	+0·0008	−0·01	−9·7929	+9·8408	−1·2538	+9·6505	547	266	1816	155	738
108	87 24 19·08	83·93	2	...	−17·894	+0·1059	+0·0016	−0·02	−9·6159	−8·6063	−1·2527	+9·6546	...	...	...	158	...
109	69 46 44·75	76·81	23	...	−17·868	+0·1130	+0·0019	+0·10	−9·3983	−9·4885	−1·2521	+9·6571	...	...	...	159	749
110	129 11 12·85	75·69	4	...	−17·860	+0·0893	+0·0009	−0·08	−9·7950	+9·7503	−1·2519	+9·6578	555	270	1854	161	750
111	136 53 26·06	80·89	3	...	−17·835	+0·0845	+0·0009	+0·12	−9·7995	+9·8124	−1·2513	+9·6601	559	272	1864	162	754
112	78 17 15·92	74·96	1	...	−17·665	+0·1143	+0·0017	+0·06	−9·5169	−9·2524	−1·2471	+9·6752	...	...	...	...	781
113	131 45 12·03	80·89	3	...	−17·647	+0·0906	+0·0009	−0·02	−9·8062	+9·7679	−1·2467	+9·6767	591	284	1952	170	786
114	111 39 34·22	83·90	3	...	−17·609	+0·1021	+0·0012	+0·02	−9·7633	+9·5107	−1·2457	+9·6799	...	...	1965	171	790
115	152 9 13·53	73·73	3	3	−17·582	+0·0688	+0·0005	−0·05	−9·7979	+9·8894	−1·2451	+9·6821	605	287	1981	173	795
116	168 56 5·48	73·73	3	3	−17·536	−0·0049	+0·0020	+0·02	−9·7477	+9·9336	−1·2439	+9·6858	637	293	2004	181	804
117	48 14 48·83	73·97	3	...	−17·517	+0·1334	+0·0025	+0·05	+6·7243	−9·7647	−1·2434	+9·6874	...	...	...	176	...
118	90 54 58·57	83·92	2	...	−17·469	+0·1134	+0·0015	+0·04	−9·6451	+8·1439	−1·2423	+9·6912	...	...	2037	...	816
119	172 4 53·18	77·13	2	1	−17·387	−0·0586	+0·0053	−0·08	−9·7430	+9·9339	−1·2402	+9·6975	679	304	2081	...	823
120	67 6 20·74	76·68	24	...	−17·349	+0·1264	+0·0019	+0·13	−9·3108	−9·5271	−1·2393	+9·7003	...	295	...	184	830

No. 99. Double, Companion, 7·5 mag., S., following.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
121	6·3	2	Ceti, Lal. 3979	2 3 4·16	83·94	3	+2·8455	+0·0002	+0·0001	...	+8·7807	+8·5555	+0·4542	−8·2787
122	6·3	2	62 Ceti	2 3 4·89	83·93	3	+3·0377	+0·0032	+0·0001	−0·005	+8·7586	+8·5334	+0·4825	−7·4626
123	6·2	2	Phœnicis, B.A.C. 664 ...	2 3 12·67	76·86	3	+2·4461	−0·0030	+0·0001	−0·005	+8·8899	+8·6653	+0·3885	−8·7192
124	6·0	2	Phœnicis, B.A.C. 670 ...	2 4 21·68	80·94	3	+2·4037	−0·0030	+0·0001	−0·008	+8·9002	+8·6806	+0·3809	−8·7427
125	6·3	3	Phœnicis, B.A.C. 674 ...	2 4 53·03	76·92	3	+2·4607	−0·0028	+0·0001	+0·001	+8·8811	+8·6636	+0·3911	−8·7017
126	6·0	2	Phœnicis, B.A.C. 678 ...	2 5 17·53	75·68	4	+2·3921	−0·0028	+0·0001	−0·004	+8·9014	+8·6857	+0·3788	−8·7461
127	9·3	3	Arg. + 17° 327	2 5 58·66	83·70	4	+3·2920	+0·0084	+0·0001	...	+8·7752	+8·5624	+0·5175	+8·2523
128	5·1	2	μ Fornacis	2 7 37·31	83·96	3	+2·6429	−0·0016	+0·0001	−0·001	+8·8210	+8·6152	+0·4221	−8·5365
129	5·8	2	Phœnicis, B.A.C. 699 ...	2 9 40·41	80·94	3	+2·4332	−0·0025	+0·0001	−0·007	+8·8774	+8·6802	+0·3862	−8·7006
130	6·0	...	67 Ceti	2 10 59·84	78·13	81	+2·9838	+0·0025	+0·0001	+0·004	+8·7520	+8·5603	+0·4748	−7·8363
131	8·0	1	Weisse, II., 174 ...	2 13 6·74	73·98	4	+3·0994	+0·0044	+0·0001	...	+8·7464	+8·5635	+0·4913	+7·3129
132	Var.	...	o Ceti	2 13 17·00	83·98	3	+3·0271	+0·0032	+0·0001	−0·002	+8·7467	+8·5646	+0·4810	−7·5353
133	5·5	3	Horologii, B.A.C. 734...	2 16 0·79	76·92	3	+1·9429	−0·0007	+0·0001	+0·001	+9·0005	+8·8296	+0·2884	−8·9216
134	8·5	1	Weisse, II., 225 ...	2 16 4·03	73·98	3	+3·0972	+0·0044	+0·0001	...	+8·7426	+8·5719	+0·4910	+7·2640
135	5·7	2	Horologii, B.A.C. 736...	2 16 34·99	76·86	3	+1·9019	−0·0004	+0·0001	−0·009	+9·0095	+8·8409	+0·2792	−8·9348
136	5·1	2	κ Fornacis	2 17 2·90	83·94	3	+2·7315	−0·0003	+0·0001	+0·009	+8·7816	+8·6149	+0·2182	−8·3971
137	8·5	1	Weisse, II., 246 ...	2 17 21·23	73·99	2	+3·0992	+0·0044	+0·0001	...	+8·7410	+8·5755	+0·4912	+7·2919
138	6·0	2	Phœnicis, B.A.C. 739 ...	2 17 29·36	80·94	3	+2·3498	−0·0021	+0·0001	0·000	+8·8818	+8·7168	+0·3710	−8·7216
139	6·0	2	Fornacis, B.A.C. 746 ...	2 18 9·54	75·54	5	+2·4775	−0·0018	+0·0001	−0·010	+8·8439	+8·6817	+0·3940	−8·6344
140	4·9	1	ρ Ceti	2 20 9·13	83·96	3	+2·8975	+0·0016	+0·0001	−0·003	+8·7480	+8·5939	+0·4620	−8·0946
141	9·5	1	Ceti	2 20 52·03	73·98	3	+3·0985	+0·0044	0·0000	...	+8·7364	+8·5851	+0·4911	+7·2671
142	7·4	3	Arietis, Lal. 4528 ...	2 20 55·33	80·95	3	+3·2950	+0·0060	0·0000	...	+8·7534	+8·6024	+0·5179	+8·1965
143	4·0	...	ξ^2 Ceti	2 21 46·75	78·08	71	+3·1802	+0·0058	0·0000	+0·001	+8·7390	+8·5914	+0·5025	+7·8784
144	5·9	2	Fornacis, B.A.C. 768 ...	2 23 25·07	80·95	3	+2·5898	−0·0010	+0·0001	−0·009	+8·8025	+8·6615	+0·4133	−8·5223
145	5·0	1	σ Ceti	2 26 23·89	83·95	3	+2·8472	+0·0012	+0·0001	−0·007	+8·7452	+8·6160	+0·4544	−8·1795
146	6·0	...	Fornacis, B.A.C. 783 ...	2 27 17·96	75·01	3	+2·4694	−0·0013	+0·0001	−0·003	+8·8247	+8·6990	+0·3926	−8·6037
147	5·8	2	Fornacis, B.A.C. 788 ...	2 28 6·66	80·95	4	+2·5049	−0·0011	+0·0001	−0·009	+8·8137	+8·6912	+0·3988	−8·5742
148	8·5	1	Weisse, II., 449 ...	2 28 37·86	73·98	3	+3·1023	+0·0045	0·0000	...	+8·7256	+8·6053	+0·4917	+7·2950
149	6·2	1	81 Ceti	2 31 39·06	83·94	3	+3·0161	+0·0033	0·0000	+0·002	+8·7220	+8·6134	+0·4794	−7·5564
150	4·0	...	δ Ceti	2 33 19·86	83·96	3	+3·0696	+0·0041	0·0000	0·000	+8·7185	+8·6165	+0·4871	−6·2385
151	5·5	...	η Horologii	2 33 26·70	75·01	3	+1·9687	0·0000	+0·0001	−0·001	+8·9395	+8·8379	+0·2942	−8·8422
152	6·4	2	Fornacis, B.A.C. 818 ...	2 33 34·35	80·94	3	+2·4117	−0·0011	+0·0001	+0·002	+8·8246	+8·7235	+0·3823	−8·6188
153	8·5	1	Weisse, II., 559 ...	2 33 55·04	73·98	3	+3·1073	+0·0046	0·0000	...	+8·7180	+8·6182	+0·4924	+7·3407
154	5·5	1	μ Hydri	2 34 15·25	74·61	42	−1·4830	+0·1306	−0·0051	+0·036	+9·4619	+9·3635	−0·1711	−9·4547
155	7·5	1	Weisse, II., 571 ...	2 34 33·39	73·98	4	+3·1071	+0·0046	0·0000	...	+8·7170	+8·6198	+0·4923	+7·3357
156	5·0	...	12 Persei	2 34 40·77	73·96	3	+3·7655	+0·0180	0·0000	−0·002	+8·8302	+8·7334	+0·5758	+8·6354
157	3·3	...	γ^2 Ceti	2 37 4·98	77·65	76	+3·1127	+0·0047	0·0000	−0·011	+8·7132	+8·6258	+0·4931	+7·3910
158	4·0	1	π Ceti	2 38 24·49	83·95	3	+2·8540	+0·0017	0·0000	−0·003	+8·7245	+8·6422	+0·4555	−8·1192
159	7·6	6	Octantis, L. 1029 ...	2 38 43·94	76·30	29	−9·9455	+1·3168	−0·1241	0·000	+9·8943	+9·8132	−0·9976	−9·8934
160	6·4	2	Fornacis, B.A.C. 855 ...	2 39 18·41	80·95	4	+2·5156	−0·0005	+0·0001	−0·001	+8·7858	+8·7070	+0·4006	−8·5223

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
121	108 20 53·40	83·94	3	...	−17·231	+0·1098	+0·0012	...	−9·7580	+9·4321	−1·2363	+9·7089	...	...	2144	...	...
122	92 53 59·54	83·93	3	...	−17·231	+0·1170	+0·0015	+0·01	−9·6620	+8·6382	−1·2363	+9·7089	...	...	2143	...	844
123	132 27 0·46	76·86	3	...	−17·225	+0·0950	+0·0008	+0·01	−9·8233	+9·7632	−1·2362	+9·7093	641	303	2146	186	845
124	134 5 0·05	80·94	4	...	−17·173	+0·0942	+0·0008	+0·05	−9·8267	+9·7751	−1·2348	+9·7130	647	307	2174	187	857
125	131 25 59·92	76·92	3	...	−17·149	+0·0967	+0·0008	−0·02	−9·8250	+9·7527	−1·2342	+9·7146	653	308	2185	189	861
126	134 22 56·04	75·68	4	...	−17·131	+0·0923	+0·0008	+0·01	−9·8285	+9·7763	−1·2338	+9·7159	659	310	2193	190	864
127	72 32 32·88	83·70	4	...	−17·100	+0·1291	+0·0017	...	−9·4102	−9·4079	−1·2330	+9·7180	...	...	...	...	...
128	121 17 13·65	83·96	3	...	−17·024	+0·1055	+0·0009	+0·01	−9·8097	+9·6443	−1·2311	+9·7231	666	315	2237	192	880
129	131 43 32·99	80·94	3	...	−16·929	+0·0987	+0·0008	+0·03	−9·8329	+9·7496	−1·2286	+9·7292	682	318	2274	193	891
130	96 58 32·22	77·80	20	...	−16·866	+0·1213	+0·0013	+0·11	−9·6958	+9·0092	−1·2270	+9·7332	...	...	2310	...	904
131	87 53 15·99	73·98	3	...	−16·766	+0·1276	+0·0015	...	−9·6163	−8·4887	−1·2244	+9·7393	...	...	...	...	...
132	93 31 22·60	83·98	3	...	−16·757	+0·1248	+0·0014	+0·23	−9·6691	+8·7105	−1·2242	+9·7398	...	...	2354	...	917
133	146 29 45·95	76·92	4	...	−16·625	+0·0828	+0·0005	−0·03	−9·8487	+9·8396	−1·2208	+9·7476	717	337	2412	205	936
134	88 5 46·90	73·98	3	...	−16·622	+0·1300	+0·0015	...	−9·6181	−8·4399	−1·2207	+9·7477	...	...	...	...	...
135	147 20 1·57	76·86	3	...	−16·597	+0·0814	+0·0005	...	−9·8492	+9·8430	−1·2200	+9·7492	722	340	2424	...	938
136	114 21 42·89	83·93	3	...	−16·574	+0·1157	+0·0011	+0·05	−9·7976	+9·5326	−1·2194	+9·7505	712	...	2433	206	942
137	87 57 45·11	73·98	3	...	−16·559	+0·1310	+0·0015	...	−9·6165	−8·4677	−1·2190	+9·7513	...	...	...	...	...
138	133 44 55·09	80·94	3	...	−16·552	+0·1003	+0·0008	−0·08	−9·8475	+9·7564	−1·2189	+9·7517	721	341	2446	207	946
139	128 7 15·90	75·54	5	...	−16·519	+0·1060	+0·0008	+0·05	−9·8397	+9·7063	−1·2180	+9·7536	723	345	2463	...	953
140	102 49 56·76	83·96	3	...	−16·419	+0·1248	+0·0012	+0·01	−9·7408	+9·2597	−1·2154	+9·7590	...	...	2509	...	968
141	88 3 17·18	73·98	3	...	−16·384	+0·1338	+0·0014	...	−9·6170	−8·4430	−1·2144	+9·7609	...	...	...	...	...
142	73 53 42·31	80·95	3	...	−16·381	+0·1421	+0·0017	...	−9·4096	−9·3552	−1·2143	+9·7611	...	...	...	...	...
143	82 4 42·92	77·62	21	...	−16·337	+0·1380	+0·0016	0·00	−9·5438	−9·0503	−1·2132	+9·7634	...	...	...	211	973
144	121 38 20·14	80·95	4	...	−16·254	+0·1141	+0·0009	+0·02	−9·8304	+9·6286	−1·2110	+9·7677	751	356	2576	...	984
145	105 46 18·60	83·94	3	...	−16·100	+0·1272	+0·0011	+0·10	−9·7631	+9·3389	−1·2068	+9·7754	...	...	2642	221	1009
146	126 57 28·87	75·01	3	...	−16·053	+0·1113	+0·0008	−0·06	−9·8495	+9·6824	−1·2055	+9·7777	776	364	2662	...	1016
147	125 10 40·80	80·95	4	...	−16·010	+0·1134	+0·0008	+0·02	−9·8461	+9·6627	−1·2044	+9·7797	781	366	2681	222	1022
148	87 52 27·58	73·98	3	...	−15·982	+0·1401	+0·0014	...	−9·6140	−8·4707	−1·2036	+9·7810	...	...	...	...	...
149	93 54 59·22	83·94	3	...	−15·822	+0·1385	+0·0013	+0·03	−9·6765	+8·7315	−1·1992	+9·7885	...	...	2765	...	1047
150	90 11 23·36	83·96	3	...	−15·731	+0·1422	+0·0014	+0·01	−9·6394	+7·4146	−1·1967	+9·7925	...	...	2799	...	1057
151	143 3 46·33	75·01	3	...	−15·725	+0·0925	+0·0005	+0·04	−9·8790	+9·7971	−1·1966	+9·7928	821	378	2802	...	1058
152	128 30 27·00	80·94	3	...	−15·718	+0·1126	+0·0007	+0·06	−9·8610	+9·6884	−1·1964	+9·7931	815	377	2806	...	1060
153	87 35 44·70	73·98	3	...	−15·699	+0·1444	+0·0014	...	−9·6100	−8·5164	−1·1959	+9·7939	...	...	...	...	...
154	169 37 57·27	75·27	13	21	−15·681	−0·0640	+0·0043	+0·03	−9·8396	+9·8860	−1·1954	+9·7947	883	390	2824	238	1071
155	87 37 5·10	73·98	3	...	−15·664	+0·1448	+0·0014	...	−9·6102	−8·5114	−1·1949	+9·7955	...	...	...	...	...
156	50 18 52·98	73·96	3	...	−15·658	+0·1749	+0·0025	+0·18	+8·8136	−9·6977	−1·1947	+9·7958	...	...	...	...	...
157	87 16 14·70	77·56	22	...	−15·525	+0·1470	+0·0014	+0·16	−9·6056	−8·5666	−1·1910	+9·8014	...	...	...	237	1086
158	104 22 3·09	83·95	3	...	−15·451	+0·1360	...	+0·01	−9·7623	+9·2815	−1·1890	+9·8044	...	...	2894	245	1109
159	176 14 51·80	77·52	14	18	−15·433	−0·4597	+0·0545	0·00	−9·8232	+9·8853	−1·1884	+9·8052	1029	...	2928	...	1117
160	123 1 56·50	80·95	4	...	−15·401	+0·1208	+0·0008	+0·01	−9·8530	+9·6218	−1·1875	+9·8065	855	399	2919	250	1122

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
161	6·0	...	Eridani, B.A.C. 864 ...	2 41 2·28	75·01	3	+2·2570	−0·0007	+0·0001	0·000	+8·8448	+8·7726	+0·3535	−8·6814
162	8·5	1	Weisse, II., 685 ...	2 41 14·35	73·98	3	+3·1149	+0·0047	0·0000	...	+8·7067	+8·6353	+0·4934	+7·3984
163	4·8	3	β Fornacis	2 44 4·06	80·95	4	+2·5045	−0·0003	+0·0001	+0·007	+8·7775	+8·7170	+0·3987	−8·5126
164	6·5	1	Eridani, B.A.C. 884 ...	2 44 35·98	75·31	3	+2·1340	−0·0003	+0·0001	0·000	+8·8657	+8·8071	+0·3292	−8·7287
165	6·0	...	σ Arietis	2 44 52·06	78·18	58	+3·3016	+0·0075	0·0000	+0·001	+8·7145	+8·6570	+0·5187	+8·1156
166	4·5	1	τ^2 Eridani	2 45 35·61	83·95	3	+2·7241	+0·0008	+0·0001	−0·006	+8·7304	+8·6756	+0·4352	−8·2944
167	9·0	1	Weisse, II., 775 ...	2 46 20·98	73·98	3	+3·1206	+0·0048	0·0000	...	+8·6984	+8·6466	+0·4942	+7·4335
168	7·7	5	Octantis, L. 1884 ...	2 46 42·86	75·92	33	−43·8230	+17·3897	−5·0218	+0·050	+0·4195	+0·3690	−1·6417	−0·4194
169	6·2	3	Fornacis, B.A.C. 902 ...	2 48 52·20	76·92	3	+2·3467	−0·0004	+0·0001	+0·001	+8·8025	+8·7603	+0·3705	−8·6007
170	5·7	2	ρ^2 Arietis	2 49 3·83	78·26	3	+3·3618	+0·0084	0·0000	−0·002	+8·7146	+8·6731	+0·5266	+8·2009
171	3·2	1	η Eridani	2 50 33·77	83·94	3	+2·9228	+0·0026	0·0000	+0·003	+8·6964	+8·6606	+0·4658	−7·9084
172	6·3	2	Fornacis, B.A.C. 917 ...	2 51 10·41	80·94	3	+2·3332	−0·0003	0·0000	−0·004	+8·7998	+8·7663	+0·3680	−8·6000
173	6·0	1	Fornacis, B.A.C. 923 ...	2 51 58·99	75·01	3	+2·4133	−0·0002	0·0000	−0·006	+8·7793	+8·7489	+0·3826	−8·5471
174	4·5	1	ε Arietis	2 52 21·08	76·63	3	+3·4203	+0·0092	0·0000	−0·001	+8·7169	+8·6878	+0·5341	+8·2684
175	2·3	...	α Ceti	2 56 0·41	78·31	96	+3·1311	+0·0049	0·0000	−0·003	+8·6817	+8·6666	+0·4957	+7·4818
176	6·5	1	Horologii, L. 971 ...	2 56 1·15	75·47	4	+1·7757	+0·0021	0·0000	−0·002	+8·9156	+8·9006	+0·2494	−8·8257
177	4·0	1	τ^3 Eridani	2 57 5·94	83·96	3	+2·6549	+0·0008	0·0000	−0·013	+8·7184	+8·7074	+0·4240	−8·3293
178	6·0	2	Eridani, B.A.C. 961 ...	2 58 49·67	76·91	4	+2·0479	+0·0006	0·0000	0·000	+8·8455	+8·8410	+0·3113	−8·7127
179	6·2	2	Eridani, B.A.C. 964 ...	2 59 37·11	80·01	4	+2·1492	+0·0003	0·0000	−0·002	+8·8199	+8·8184	+0·3323	−8·6645
180	4·3	...	κ Persei	3 1 24·37	73·98	3	+4·0038	+0·0205	0·0000	+0·016	+8·8167	+8·8221	+0·6025	+8·6616
181	5·6	4	θ Hydri	3 2 1·10	76·80	24	+0·0712	+0·0363	−0·0008	0·000	+9·1883	+9·1960	+8·8527	−9·1674
182	4·3	...	δ Arietis	3 4 46·08	77·81	97	+3·4097	+0·0085	0·0000	+0·009	+8·6892	+8·7073	+0·5327	+8·2078
183	8·4	3	Arg. + 21° 426 ...	3 6 19·21	82·99	4	+3·4489	+0·0091	0·0000	...	+8·6915	+8·7155	+0·5377	+8·2496
184	6·0	3	Horologii, B.A.C. 996...	3 6 33·20	80·01	3	+1·9467	+0·0013	0·0000	−0·004	+8·8453	+8·8702	+0·2893	−8·7243
185	5·4	1	94 Ceti	3 6 38·98	83·96	3	+3·0444	+0·0039	0·0000	+0·012	+8·6606	+8·6858	+0·4835	−7·1188
186	3·6	2	12 Eridani	3 6 58·39	83·98	3	+2·5223	+0·0006	0·0000	+0·024	+8·7199	+8·7463	+0·4018	−8·4117
187	4·4	3	ζ Eridani	3 10 0·20	83·98	3	+2·9115	+0·0027	0·0000	−0·002	+8·6593	+8·6972	+0·4641	−7·8662
188	6·7	3	Eridani, B.A.C. 1019 ...	3 11 14·45	80·01	3	+2·4707	+0·0006	0·0000	−0·005	+8·7192	+8·7619	+0·3928	−8·4344
189	3·5	1	τ^4 Eridani	3 14 10·61	83·96	3	+2·6635	+0·0013	0·0000	0·000	+8·6782	+8·7321	+0·4255	−8·2555
190	2·0	...	α Persei	3 15 45·69	75·67	15	+4·2499	+0·0242	0·0000	+0·001	+8·8282	+8·8882	+0·6284	+8·7088
191	5·5	2	τ^2 Arietis	3 15 50·93	78·28	3	+3·4456	+0·0086	0·0000	−0·004	+8·6691	+8·7293	+0·5373	+8·2095
192	7·7	6	Octantis, L. 1848 ...	3 16 26·48	76·72	16	−39·7312	+11·1367	−1·7677	0·000	+0·2669	+0·3294	−1·5991	−0·2668
193	3·7	...	o Tauri	3 18 21·37	78·10	63	+3·2264	+0·0057	0·0000	−0·005	+8·6406	+8·7104	+0·5087	+7·8156
194	6·0	3	Horologii, B.A.C. 1075	3 21 2·29	76·97	3	+1·7806	+0·0025	0·0000	0·000	+8·8353	+8·9155	+0·2506	−8·7288
195	5·8	3	Eridani, B.A.C. 1077 ...	3 21 54·39	80·02	3	+2·1419	+0·0010	0·0000	−0·001	+8·7570	+8·8405	+0·3308	−8·5830
196	7·0	6	Mensæ, L. 1236 ..	3 22 11·62	77·29	23	−6·7021	+0·4881	−0·0191	0·000	+9·6056	+9·6903	−0·8262	−9·6032
197	6·0	1	Eridani, Lal. 6476 ...	3 23 55·88	83·96	3	+2·8308	+0·0023	0·0000	...	+8·6344	+8·7257	+0·4519	−7·9894
198	4·5	1	17 Eridani	3 24 39·75	83·48	3	+2·9723	+0·0033	0·0000	0·000	+8·6232	+8·7174	+0·4731	−7·6038
199	5·3	3	Horologii, B.A.C. 1098	3 26 45·97	80·02	3	+1·9160	+0·0018	0·0000	+0·008	+8·7889	+8·8913	+0·2824	−8·6585
200	3·0	...	ε Eridani	3 27 16·59	77·70	111	+2·8896	+0·0027	0·0000	−0·067	+8·6215	+8·7258	+0·4608	−7·8553

No. 186. P′ and p′ affected with proper motion + s. 0·0010 + ″ 0·1394.
No. 200. ,, ,, ,, + 0·0028 + 0·1605.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
161	133 20 30·23	75·01	3	...	−15·304	+0·1096	+0·0006	+0·06	−9·8803	+9·7191	−1·1848	+9·8104	875	406	2957	253	1136
162	87 10 55·57	73·98	3	...	−15·292	+0·1502	+0·0014	...	−9·6037	−8·5739	−1·1845	+9·8108	...	...	...	...	...
163	122 54 37·37	80·95	4	...	−15·131	+0·1231	+0·0008	−0·16	−9·8578	+9·6127	−1·1799	+9·8171	888	415	3009	261	1154
164	136 50 47·09	75·31	3	...	−15·100	+0·1056	+0·0006	+0·04	−9·8903	+9·7398	−1·1790	+9·8182	...	418	3018	...	1157
165	75 24 47·58	77·46	21	...	−15·085	+0·1619	+0·0016	+0·04	−9·4047	−9·2775	−1·1785	+9·8188	...	...	...	...	1161
166	111 29 57·58	83·95	3	...	−15·043	+0·1346	+0·0010	+0·02	−9·8103	+9·4392	−1·1773	+9·8204	...	...	3034	265	1164
167	86 53 6·23	73·93	4	...	−14·999	+0·1543	+0·0014	...	−9·5990	−8·6090	−1·1761	+9·8220	...	...	...	...	...
168	178 54 50·54	76·18	16	20	−14·978	−2·1215	+0·8162	0·00	−9·8280	+9·8732	−1·1755	+9·8228	1884	...	3149	...	1171
169	128 55 41·57	76·92	4	...	−14·852	+0·1182	+0·0007	−0·10	−9·8807	+9·6678	−1·1718	+9·8273	915	430	3103	272	1185
170	72 9 20·57	78·26	3	...	−14·841	+0·1680	+0·0017	+0·01	−9·3158	−9·3556	−1·1714	+9·8277	...	...	...	...	1187
171	99 22 35·00	83·94	3	...	−14·752	+0·1475	+0·0011	+0·20	−9·7311	+9·0786	−1·1688	+9·8308	...	...	3146	...	1204
172	129 8 13·31	80·94	3	...	−14·716	+0·1187	+0·0006	−0·02	−9·8838	+9·6657	−1·1678	+9·8321	931	436	3162	...	1210
173	125 51 41·38	75·01	3	...	−14·668	+0·1231	+0·0008	+0·02	−9·8757	+9·6319	−1·1664	+9·8337	936	438	3184	...	1218
174	69 8 26·55	77·46	4	...	−14·646	+0·1735	+0·0017	0·00	−9·2100	−9·4150	−1·1657	+9·8345	...	...	...	277	...
175	86 22 55·19	77·52	23	...	−14·425	+0·1617	+0·0015	+0·07	−9·5901	−8·6570	−1·1591	+9·8418	...	453	...	291	1250
176	144 23 9·33	75·32	3	...	−14·424	+0·0930	+0·0004	−0·02	−9·9124	+9·7670	−1·1591	+9·8418	971	458	3267	293	1251
177	114 5 43·73	83·96	3	...	−14·359	+0·1382	+0·0009	+0·04	−9·8332	+9·4658	−1·1571	+9·8439	968	460	3284	294	1258
178	137 26 44·78	76·91	4	...	−14·253	+0·1081	+0·0005	+0·02	−9·9093	+9·7189	−1·1539	+9·8472	974	466	3312	297	1263
179	134 22 2·14	80·01	3	...	−14·204	+0·1137	+0·0005	−0·03	−9·9051	+9·6948	−1·1524	+9·8488	976	469	3327	300	1266
180	45 35 56·07	73·98	3	...	−14·093	+0·2107	+0·0027	+0·16	+9·2737	−9·6917	−1·1490	+9·8521	...	...	...	...	1280
181	162 22 16·01	75·66	7	10	−14·055	+0·0067	+0·0013	0·00	−9·9091	+9·8247	−1·1478	+9·8533	1001	482	3375	304	1286
182	70 43 41·52	76·39	26	...	−13·882	+0·1824	+0·0017	0·00	−9·2339	−9·3588	−1·1425	+9·8583	...	...	...	306	1295
183	68 48 22·39	82·99	5	...	−13·784	+0·1856	+0·0017	...	−9·1521	−9·3953	−1·1394	+9·8611	...	...	...	...	...
184	139 11 16·64	80·01	3	...	−13·769	+0·1061	+0·0005	+0·03	−9·9208	+9·7157	−1·1389	+9·8615	1006	495	3454	...	1309
185	91 38 45·34	83·96	3	...	−13·763	+0·1644	+0·0012	+0·06	−9·6576	+8·2947	−1·1387	+9·8617	...	...	3455	...	1311
186	119 27 39·01	83·98	3	...	−13·742	+0·1369	+0·0008	−0·66	−9·8669	+9·5277	−1·1381	+9·8623	1000	493	3462	308	1317
187	99 15 59·63	83·98	3	...	−13·548	+0·1594	+0·0011	−0·04	−9·7379	+9·0366	−1·1319	+9·8676	...	...	3523	...	1345
188	121 16 16·62	80·01	3	...	−13·468	+0·1364	+0·0008	0·00	−9·8782	+9·5423	−1·1293	+9·8698	1034	515	3555	...	1356
189	112 11 43·19	83·96	3	...	−13·277	+0·1484	+0·0008	−0·05	−9·8356	+9·3981	−1·1231	+9·8747	...	522	3607	324	1377
190	40 34 4·61	75·67	15	...	−13·172	+0·2365	+0·0029	+0·06	+9·4634	−9·6981	−1·1197	+9·8774	...	...	...	...	1392
191	69 41 18·06	78·28	3	...	−13·166	+0·1923	+0·0016	+0·02	−9·1616	−9·3578	−1·1195	+9·8775	...	...	...	...	1393
192	178 38 51·11	76·66	12	10	−13·127	−2·1872	+0·5925	+0·05	−9·8842	+9·8159	−1·1182	+9·8785	1848	...	3715	..	1396
193	81 23 40·01	76·23	21	...	−13·000	+0·1820	+0·0014	+0·07	−9·4984	−8·9868	−1·1139	+9·8816	...	...	...	...	1407
194	141 29 11·24	76·97	3	...	−12·821	+0·1026	+0·0004	+0·01	−9·9404	+9·6992	−1·1079	+9·8859	1106	551	3740	...	1426
195	132 3 28·54	80·02	3	...	−12·762	+0·1232	+0·0005	+0·03	−9·9237	+9·6297	−1·1059	+9·8873	1107	552	3757	338	1433
196	173 58 15·72	77·41	18	16	−12·743	−0·3743	+0·0235	0·00	−9·9103	+9·8006	−1·1053	+9·8877	1236	...	3780	...	1437
197	103 5 20·37	83·96	3	...	−12·625	+0·1631	+0·0009	...	−9·7771	+9·1540	−1·1012	+9·8904	...	...	3805	...	...
198	95 29 15·30	83·98	3	...	−12·575	+0·1715	+0·0010	0·00	−9·7045	+8·7779	−1·0995	+9·8915	...	...	3818	...	1453
199	137 47 7·11	80·02	3	...	−12·431	+0·1123	+0·0004	0·00	−9·9409	+9·6619	−1·0945	+9·8947	1130	565	3864	349	1464
200	99 51 54·93	76·53	33	...	−12·396	+0·1682	+0·0010	−0·01	−9·7498	+9·0249	−1·0933	+9·8955	...	...	3872	348	1467

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in R.A.	Logarithms of			
							P	P′	P″	M	*a*	*b*	*c*	*d*
				h. m. s.			s.	s.	s.	s.				
201	8·3	2	Weisse, III., 538 ...	3 27 28·34	82·98	2	+3·5048	+0·0089	0·0000	...	+8·6485	+8·7536	+0·5447	−8·2286
202	8·8	2	Weisse, III., 554 ...	3 27 51·90	83·02	3	+3·5128	+0·0090	0·0000	...	+8·6486	+8·7552	+0·5456	+8·2350
203	9·4	3	Arg. + 22° 516 ...	3 29 30·14	82·99	4	+3·5115	+0·0089	0·0000	...	+8·6440	+8·7571	+0·5455	+8·2274
204	5·2	3	20 Eridani	3 30 49·13	83·98	3	+2·7295	+0·0019	0·0000	−0·001	+8·6278	+8·7460	+0·4361	−8·1146
205	6·7	3	Eridani, B.A.C., 1120 ...	3 32 9·11	80·01	3	+2·3470	+0·0010	0·0000	−0·006	+8·6853	+8·8088	+0·3705	−8·4349
206	3·0	...	δ Persei	3 34 23·19	73·75	4	+4·2426	+0·0208	−0·0001	+0·001	+8·7668	+8·8991	+0·6276	+8·6338
207	5·7	4	Mensæ, B. 593	3 34 23·58	77·30	27	−2·3387	+0·1176	−0·0026	−0·022	+9·3071	+9·4395	−0·3690	−9·2987
208	3·2	1	δ Eridani	3 37 29·91	83·97	3	+2·8774	+0·0027	0·0000	−0·008	+8·5961	+8·7408	+0·4590	−7·8430
209	4·2	2	17 Tauri	3 37 45·07	78·34	3	+3·5505	+0·0089	0·0000	0·000	+8·6269	+8·7726	+0·5503	+8·2317
210	5·3	3	24 Eridani	3 38 24·80	84·03	3	+3·0430	+0·0038	0·0000	−0·002	+8·5869	+8·7353	+0·4833	−7·0170
211	3·0	...	η Tauri	3 40 21·12	77·52	91	+3·5543	+0·0088	0·0000	0·000	+8·6199	+8·7761	+0·5508	+8·2247
212	6·5	3	Eridani, B.A.C. 1169 ...	3 40 24·33	80·02	3	+2·1781	+0·0013	0·0000	−0·012	+8·6921	+8·8485	+0·3381	−8·4928
213	4·2	2	τ^6 Eridani	3 41 40·98	83·98	3	+2·5913	+0·0015	0·0000	−0·013	+8·6159	+8·7774	+0·4135	−8·2184
214	6·5	1	Mensæ, B.A.C. 1200 ...	3 41 49·87	79·62	6	−2·8596	+0·1358	−0·0027	−0·016	+9·3162	+9·4784	−0·4563	−9·3088
215	4·0	2	27 Tauri	3 42 1·68	78·34	3	+3·5557	+0·0088	0·0000	0·000	+8·6152	+8·7782	+0·5509	+8·2191
216	4·0	2	υ^2 Eridani	3 44 57·72	80·05	3	+2·2479	+0·0013	0·0000	−0·007	+8·6639	+8·8389	+0·3518	−8·4390
217	5·6	1	30 Eridani	3 46 46·05	84·03	3	+2·9604	+0·0032	0·0000	−0·001	+8·5658	+8·7481	+0·4713	−7·5644
218	5·0	3	υ^3 Eridani	3 49 4·52	80·02	3	+2·2823	+0·0013	0·0000	−0·004	+8·6440	+8·8359	+0·3584	−8·4035
219	3·5	1	γ Hydri	3 49 6·92	77·35	36	−1·0127	+0·0534	−0·0008	+0·008	+9·1328	+9·3249	−0·0055	−9·1169
220	6·0	1	33 Tauri	3 49 57·01	76·64	3	+3·5469	+0·0082	−0·0001	+0·005	+8·5897	+8·7853	+0·5498	+8·1784
221	6·0	3	Horologii, B.A.C. 1233	3 51 24·99	76·97	3	+1·5679	+0·0040	0·0000	−0·001	+8·7708	+8·9726	+0·1953	−8·6734
222	3·0	...	γ^1 Eridani	3 52 25·81	78·20	129	+2·7925	+0·0023	0·0000	+0·003	+8·5596	+8·7656	+0·4460	−7·9387
223	6·3	3	Horologii, B.A.C. 1249	3 55 24·96	80·03	3	+1·9574	+0·0020	0·0000	−0·001	+8·6825	+8·9013	+0·2917	−8·5263
224	4·2	3	ν Tauri	3 56 46·42	84·03	3	+3·1860	+0·0046	0·0000	0·000	+8·5354	+8·7600	+0·5032	+7·5291
225	6·0	2	36 Tauri	3 57 11·06	78·27	3	+3·5787	+0·0082	−0·0001	0·000	+8·5705	+8·7968	+0·5537	+8·1760
226	4·7	...	A^1 Tauri	3 57 36·07	82·48	31	+3·5315	+0·0076	−0·0001	+0·007	+8·5627	+8·7909	+0·5481	+8·1316
227	6·9	2	Eridani, Lal. 7685 ...	4 1 14·21	84·03	3	+2·6866	+0·0020	0·0000	...	+8·5415	+8·7855	+0·4292	−8·0401
228	5·7	3	Doradus, B.A.C. 1283	4 3 28·19	80·04	3	+1·6831	+0·0032	0·0000	+0·004	+8·7028	+8·9566	+0·2261	−8·5867
229	9·0	1	Mensæ, L. 1592. 1st star	4 4 53·96	76·35	2	−12·2033	+0·8450	−0·0065	...	...	...	...	...
230	6·7	7	Mensæ, L. 1592. 2nd star	4 4 55·85	77·10	39	−12·2044	+0·8450	−0·0065	...	+9·6227	+9·8831	−1·0865	−9·6214
231	4·3	...	o^1 Eridani	4 6 0·46	76·99	77	+2·9249	+0·0029	0·0000	−0·001	+8·8059	+8·7712	+0·4661	−7·6011
232	4·8	2	A Eridani	4 8 41·17	84·04	3	+2·8520	+0·0026	0·0000	−0·001	+8·5005	+8·7779	+0·4552	−7·7634
233	6·0	3	Eridani, B.A.C. 1308 ...	4 9 17·69	80·04	3	+2·3772	+0·0015	0·0000	+0·004	+8·5552	+8·8354	+0·3761	−8·2596
234	4·0	...	γ Tauri	4 12 57·89	82·55	34	+3·3997	+0·0057	−0·0001	+0·007	+8·4931	+8·7905	+0·5314	+7·9155
235	5·0	2	χ^1 Tauri	4 15 16·85	78·34	3	+3·6406	+0·0077	−0·0001	+0·001	+8·5125	+8·8208	+0·5612	+8·1440
236	5·4	2	Eridani, Lal. 8205 ...	4 15 24·83	84·04	3	+2·6134	+0·0018	0·0000	...	+8·4977	+8·8067	+0·4172	−8·0505
237	4·9	2	ξ Eridani	4 17 42·39	84·05	4	+2·9875	+0·0031	0·0000	−0·003	+8·4601	+8·7802	+0·4753	−7·3063
238	5·8	3	Eridani, B.A.C. 1374 ...	4 20 29·74	80·04	3	+2·2221	+0·0016	0·0000	−0·006	+8·5346	+8·8684	+0·3468	−8·2935
239	3·7	...	ϵ Tauri, ...	4 21 36·60	77·59	127	+3·4888	+0·0121	−0·0001	+0·007	+8·4674	+8·8067	+0·5427	+7·9781
240	4·8	2	45 Eridani	4 25 44·39	84·02	3	+3·0659	+0·0033	0·0000	0·000	+8·4257	+8·7861	+0·4866	−6·1481

No. 208. P′ and p′ affected with proper motion + 0·0031 + 0·1721.
No. 213. „ „ „ + 0·0012 + 0·1565.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
201	67 38 40·85	82·99	3	...	−12·383	+0·2036	+0·0017	...	−9·0089	−9·3708	−1·0928	+9·8957	...	...	...	...	...
202	67 18 9·90	83·01	3	...	−12·356	+0·2044	+0·0017	...	−8·9838	−9·3761	−1·0919	+9·8963	...	...	...	...	...
203	67 28 25·18	82·99	3	...	−12·242	+0·2054	+0·0016	...	−8·9883	−9·3690	−1·0879	+9·8987	...	...	...	..	...
204	107 51 54·94	83·97	3	...	−12·151	+0·1610	+0·0008	0·00	−9·8176	+9·2692	−1·0846	+9·9007	...	...	3958	355	1490
205	124 10 37·47	80·01	3	...	−12·058	+0·1393	+0·0006	...	−9·9073	+9·5286	−1·0813	+9·9026	1153	574	3983	...	1501
206	42 35 54·50	73·80	5	...	−11·901	+0·2515	+0·0026	+0·04	+9·4754	−9·6403	−1·0756	+9·9057	...	...	...	359	...
207	168 45 9·96	77·17	11	12	−11·901	−0·1347	+0·0052	+0·04	−9·9415	+9·7650	−1·0756	+9·9057	...	593	4040	...	1521
208	100 10 13·65	83·96	3	...	−11·681	+0·1730	+0·0010	−0·74	−9·7563	+9·0122	−1·0675	+9·9100	...	...	4100	367	1548
209	66 15 54·88	78·34	3	...	−11·663	+0·2131	+0·0016	+0·04	−8·8435	−9·3694	−1·0668	+9·9103	...	...	...	365	1551
210	91 32 33·48	84·03	3	...	−11·616	+0·1833	+0·0010	−0·01	−9·6586	+9·1929	−1·0650	+9·9112	...	...	4120	...	1558
211	66 16 1·94	76·03	28	...	−11·477	+0·2150	+0·0016	+0·04	−8·8270	−9·3624	−1·0598	+9·9138	...	...	...	372	1571
212	129 11 48·22	80·03	4	...	−11·473	+0·1327	+0·0005	+0·02	−9·9317	+9·5582	−1·0597	+9·9139	1217	595	4158	...	1572
213	113 36 17·95	83·97	3	...	−11·382	+0·1580	+0·0007	+0·53	−9·8617	+9·3565	−1·0562	+9·9156	1220	597	4191	375	1591
214	169 28 59·93	79·62	...	2	−11·371	−0·1693	+0·0063	+0·01	−9·9489	+9·7462	−1·0558	+9·9158	1307	617	4200	...	1592
215	66 18 53·08	78·34	3	...	−11·357	+0·2161	+0·0016	+0·05	−8·8211	−9·3570	−1·0552	+9·9160	...	...	...	...	...
216	126 33 51·67	80·05	3	...	−11·144	+0·1386	+0·0006	...	−9·9262	+9·5199	−1·0470	+9·9198	1248	612	4256	384	1616
217	95 43 14·89	84·03	3	...	−11·012	+0·1828	+0·0009	+0·01	−9·7118	+8·7383	−1·0418	+9·9221	...	...	4303	...	1641
218	125 5 16·82	80·02	3	...	−10·843	+0·1423	+0·0005	+0·02	−9·9235	+9·4925	−1·0351	+9·9249	1275	620	4346	388	1655
219	164 36 22·77	76·96	20	19	−10·840	−0·0598	+0·0023	−0·11	−9·9667	+9·7170	−1·0350	+9·9250	1322	629	4353	393	1656
220	67 10 27·67	76·64	3	...	−10·779	+0·2205	+0·0015	+0·02	−8·8619	−9·3191	−1·0326	+9·9260	...	...	...	...	1664
221	143 2 25·77	76·97	3	...	−10·670	+0·0991	+0·0003	+0·03	−9·9719	+9·6285	−1·0282	+9·9277	1304	628	4395	394	1680
222	103 51 2·82	75·68	32	...	−10·595	+0·1752	+0·0008	+0·11	−9·7955	+9·1020	−1·0251	+9·9289	...	...	4407	395	1683
223	134 15 27·09	80·03	3	...	−10·372	+0·1244	+0·0004	−0·02	−9·9581	+9·5575	−1·0159	+9·9324	1320	634	4460	400	1696
224	84 20 40·88	84·03	3	...	−10·270	+0·2017	+0·0011	+0·01	−9·5405	−8·7030	−1·0116	+9·9339	...	...	...	...	1703
225	66 13 32·81	78·27	3	...	−10·240	+0·2265	+0·0014	+0·02	−8·7026	−9·3135	−1·0103	+9·9344	...	...	...	...	1708
226	68 14 51·40	83·53	4	...	−10·208	+0·2239	+0·0014	+0·08	−8·9242	−9·2756	−1·0089	+9·9349	...	...	...	402	1713
227	108 22 28·33	84·03	3	...	− 9·933	+0·1723	+0·0007	...	−9·8361	+9·1935	−0·9971	+9·9389	...	...	4591	...	...
228	139 56 59·39	80·04	3	...	− 9·763	+0·1093	+0·0003	+0·02	−9·9767	+9·5713	−0·9896	+9·9413	1371	661	4626	412	1759
229	175 36 48·20	76·35	1	1	− 9·653	−0·7780	+0·0489	...	...	...	...	...	...	...	...	...	...
230	175 36 47·84	77·72	20	17	− 9·651	−0·7780	+0·0489	0·00	−9·9577	+9·6811	−0·9846	+9·9428	1592	...	4672	...	1768
231	97 9 5·26	75·23	32	...	− 9·568	+0·1895	+0·0007	−0·08	−9·7323	+8·7738	−0·9808	+9·9439	...	...	4668	...	1774
232	100 33 18·90	84·04	3	...	− 9·362	+0·1859	+0·0007	+0·15	−9·7698	+8·9320	−0·9714	+9·9466	...	...	4725	...	1789
233	120 25 2·62	80·04	3	...	− 9·315	+0·1555	+0·0005	...	−9·9151	+9·3714	−0·9692	+9·9472	1388	670	4745	...	1795
234	74 39 48·00	83·52	4	...	− 9·029	+0·2233	+0·0010	+0·03	−9·2607	−9·0759	−0·9556	+9·9508	...	...	...	421	1819
235	64 39 18·79	78·34	3	...	− 8·847	+0·2401	+0·0013	+0·02	−7·9006	−9·2761	−0·9468	+9·9530	...	...	...	...	1835
236	110 55 36·27	84·04	3	...	− 8·837	+0·1730	+0·0006	...	−9·8609	+9·1970	−0·9463	+9·9531	...	...	4858	...	...
237	94 1 26·29	84·05	4	...	− 8·657	+0·1983	+0·0007	+0·03	−9·6956	+8·4813	−0·9373	+9·9552	...	...	4903	...	1855
238	125 1 44·63	80·04	3	...	− 8·436	+0·1488	+0·0004	+0·09	−9·9425	+9·3828	−0·9261	+9·9577	1447	701	4957	438	1875
239	71 5 13·14	75·16	33	...	− 8·347	+0·2331	+0·0011	+0·03	−9·0634	−9·1301	−0·9215	+9·9587	...	...	...	439	1884
240	90 18 8·74	84·02	3	...	− 8·017	+0·2066	+0·0007	+0·01	−9·6422	+7·3242	−0·9040	+9·9622	...	...	5059	...	1924

No. 232. Double, Companion, 8·3 mag., N., following.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
241	6·3	3	δ Mensæ	4 26 8·34	77·50	14	−4·2508	+0·1387	−0·0001	+0·003	+9·2061	+9·5685	−0·6285	−9·2001
242	4·2	3	v^6 Eridani	4 28 48·11	80·04	3	+2·3605	+0·0016	0·0000	−0·010	+8·4747	+8·8511	+0·3730	−8·1738
243	1·0	...	α Tauri	4 29 2·11	76·86	113	+3·4321	+0·0053	−0·0001	+0·003	+8·4289	+8·8065	+0·5356	+7·8762
244	3·5	2	ν Eridani	4 30 19·34	84·07	3	+2·9946	+0·0029	0·0000	−0·002	+8·4061	+8·7906	+0·4763	−7·2039
245	3·2	...	α Doradus	4 31 24·24	73·77	11	+1·2844	+0·0049	0·0000	+0·004	+8·6449	+9·0352	+0·1087	−8·5598
246	6·0	4	Mensæ, B.A.C. 1454 ...	4 31 40·11	76·11	39	−5·5785	+0·1867	+0·0013	+0·005	+9·2475	+9·6393	−0·7465	−9·2431
247	3·9	2	53 Eridani	4 32 41·09	84·02	3	+2·7505	+0·0021	0·0000	−0·008	+8·4084	+8·8057	+0·4394	−7·8081
248	4·5	1	τ Tauri	4 35 2·56	76·69	3	+3·5943	+0·0061	−0·0001	−0·001	+8·4180	+8·8285	+0·5556	+8·0050
249	4·7	3	54 Eridani	4 35 11·48	84·06	3	+2·6211	+0·0019	0·0000	0·000	+8·4090	+8·8202	+0·4185	−7·9410
250	6·5	3	Mensæ, B.A.C. 1481 ...	4 36 54·95	75·69	25	−7·3417	+0·2604	+0·0045	−0·020	+9·2975	+9·7185	−0·8658	−9·2944
251	3·7	...	μ Eridani	4 39 30·14	78·77	109	+2·9961	+0·0028	0·0000	0·000	+8·3613	+8·7973	+0·4766	−7·1440
252	5·3	3	Cæli, B.A.C. 1472 ...	4 39 47·63	80·04	3	+1·9695	+0·0020	0·0000	−0·002	+8·4832	+8·9209	+0·2943	−8·3026
253	6·0	2	Cæli, B.A.C. 1488 ...	4 43 8·66	77·09	3	+2·3365	+0·0016	0·0000	−0·001	+8·4047	+8·8625	+0·3686	−8·1068
254	5·8	3	Mensæ, B.A.C. 1502 ...	4 44 16·26	73·77	11	−0·6319	+0·0238	−0·0001	+0·001	+8·8258	+9·2904	−9·8007	−8·8018
255	5·5	3	60 Eridani	4 44 47·07	84·05	3	+2·6992	+0·0019	0·0000	+0·002	+8·3503	+8·8182	+0·4312	−7·8018
256	4·4	2	π^3 Orionis	4 44 48·93	84·09	3	+3·1920	+0·0034	0·0000	−0·001	+8·3340	+8·8020	+0·5041	+7·3075
257	5·3	3	Cæli, B.A.C. 1506 ...	4 46 22·15	80·11	3	+1·9489	+0·0020	0·0000	−0·001	+8·4490	+8·9268	+0·2898	−8·2705
258	6·0	1	Cæli, B.A.C. 1513 ...	4 47 29·08	77·09	3	+2·2010	+0·0017	0·0000	−0·003	+8·4006	+8·8855	+0·3426	−8·1531
259	4·3	1	π^5 Orionis	4 48 0·06	84·10	3	+3·1221	+0·0030	0·0000	0·000	+8·3142	+8·8024	+0·4945	+6·9069
260	6·2	2	Tauri, B.A.C. 1518 ...	4 48 57·06	78·28	3	+3·6499	+0·0056	−0·0001	...	+8·3489	+8·8433	+0·5623	+7·9650
261	3·0	...	ι Aurigæ	4 49 10·77	77·50	77	+3·8986	+0·0072	−0·0002	+0·001	+8·3832	+8·8791	+0·5909	+8·1190
262	6·0	1	k Tauri	4 50 48·82	76·24	4	+3·6639	+0·0055	−0·0001	+0·002	+8·3394	+8·8460	+0·5639	+7·9631
263	6·8	3	Doradus, L. 1687 ...	4 51 36·02	81·08	3	−0·1336	−0·0154	−0·0001	...	+8·7238	+9·2358	−9·1257	−8·6918
264	8·1	3	Weisse, IV., 1193 ...	4 54 17·34	83·01	3	+3·6558	+0·0052	−0·0001	...	+8·3163	+8·8467	+0·5630	+7·9334
265	5·4	2	64 Eridani	4 54 21·19	84·05	3	+2·7830	+0·0020	0·0000	+0·002	+8·2858	+8·8166	+0·4445	−7·6284
266	8·8	3	Arg. + 24° 730 ...	4 55 5·39	83·03	3	+3·6523	+0·0052	−0·0001	...	+8·3106	+8·8466	+0·5626	+7·9252
267	8·8	3	Weisse, IV., 1227 ...	4 55 26·71	83·05	3	+3·6479	+0·0051	−0·0001	...	+8·3076	+8·8462	+0·5620	+7·9194
268	9·2	3	Arg. + 24° 738 ...	4 56 3·66	83·01	3	+3·6528	+0·0051	−0·0001	...	+8·3041	+8·8471	+0·5626	+7·9186
269	7·7	2	Cæli, L. 1685	4 56 29·67	81·77	4	+2·1659	+0·0017	0·0000	...	+8·3485	+8·8946	+0·3356	−8·1091
270	6·9	3	Tauri, Lal. 9484 ...	4 57 7·78	80·95	4	+3·7431	+0·0055	−0·0001	...	+8·3089	+8·8595	+0·5732	+7·9737
271	5·5	2	Cæli, B.A.C. 1561 ...	4 57 34·82	77·10	4	+1·9960	+0·0019	0·0000	−0·002	+8·3687	+8·9227	+0·3001	−8·1758
272	5·5	3	Cæli, B.A.C. 1564 ...	4 57 50·39	80·09	3	+2·2691	+0·0016	0·0000	−0·004	+8·3232	+8·8791	+0·3559	−8·0468
273	3·7	...	ε Leporis	5 0 22·84	78·67	146	+2·5363	+0·0016	0·0000	0·000	+8·2687	+8·8435	+0·4042	−7·8521
274	3·0	1	β Eridani	5 1 56·99	84·09	3	+2·9536	+0·0022	0·0000	−0·007	+8·2247	+8·8116	+0·4703	−7·1855
275	9·5	5	Leporis, O.A. 3689 ...	5 2 43·40	82·02	6	+2·4138	+0·0016	0·0000	...	+8·2671	+8·8601	+0·3827	−7·9233
276	8·1	5	Leporis, O.A. 3695 ...	5 3 10·68	81·99	6	+2·4133	+0·0016	0·0000	...	+8·2637	+8·8604	+0·3826	−7·9201
277	4·2	1	λ Eridani	5 3 24·22	84·07	3	+2·8691	+0·0020	0·0000	0·000	+8·2174	+8·8158	+0·4578	−7·4073
278	4·5	3	ζ Doradus	5 3 27·31	76·97	3	+1·0266	+0·0048	0·0000	−0·007	+8·4831	+9·0820	+0·0114	−8·4098
279	8·0	2	Leporis	5 4 17·60	81·86	3	+2·1998	+0·0016	0·0000	...	+8·2863	+8·8920	+0·3424	−8·0330
280	7·3	3	Leporis, O.A. 3716 ...	5 4 23·33	81·91	3	+2·5142	+0·0016	0·0000	...	+8·2415	+8·8478	+0·4004	−7·8382

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
241	170 29 35·53	77·02	2	6	−7·986	−0·2826	+0·0075	−0·07	−9·9896	+9·5941	−0·9023	+9·9625	1579	743	5090	...	1929
242	120 0 35·12	80·04	3	...	−7·771	+0·1603	+0·0004	+0·28	−9·9226	+9·2874	−0·8905	+9·9647	1513	732	5137	455	1959
243	73 43 59·53	75·07	33	...	−7·752	+0·2324	+0·0010	+0·18	−9·1991	−9·0346	−0·8894	+9·9648	...	...	...	...	1962
244	93 35 56·41	84·07	3	...	−7·648	+0·2035	+0·0006	−0·01	−9·6911	+8·3791	−0·8836	+9·9659	...	...	5172	...	1979
245	145 17 35·87	73·48	7	...	−7·560	+0·0884	+0·0003	+0·02	−0·0036	+9·4913	−0·8785	+9·9667	1539	744	5198	460	1983
246	171 50 59·65	75·16	16	15	−7·539	−0·3753	+0·0106	−0·12	−9·9907	+9·5707	−0·8773	+9·9669	1639	764	5219	471	1985
247	104 32 21·87	84·02	3	...	−7·457	+0·1878	+0·0005	+0·16	−9·8149	+8·9701	−0·8725	+9·9677	...	...	5226	...	1993
248	67 16 28·65	76·69	3	...	−7·265	+0·2458	+0·0010	+0·01	−8·6033	−9·1460	−0·8612	+9·9694	...	...	...	465	2007
249	109 54 10·01	84·07	3	...	−7·253	+0·1797	+0·0004	+0·08	−9·8605	+9·0903	−0·8605	+9·9696	...	...	5272	467	2009
250	173 9 19·90	76·81	19	15	−7·112	−0·4990	+0·0153	+0·03	−9·9912	+9·5467	−0·8520	+9·9708	1707	795	5310	487	2019
251	93 28 32·80	76·48	25	...	−6·900	+0·2066	+0·0006	0·00	−9·6902	+8·3193	−0·8388	+9·9726	...	...	5341	...	2047
252	131 17 18·60	80·04	3	...	−6·876	+0·1364	+0·0003	−0·02	−9·9758	+9·3546	−0·8373	+9·9728	1578	770	5351	478	2052
253	120 14 12·18	77·09	3	...	−6·600	+0·1623	+0·0004	−0·11	−9·9296	+9·2194	−0·8195	+9·9751	1601	783	5431	486	2081
254	161 9 1·24	73·77	6	5	−6·506	−0·0422	+0·0011	−0·04	−0·0151	+9·4871	−0·8133	+9·9758	1654	801	5456	491	2087
255	106 25 36·26	84·05	3	...	−6·464	+0·1877	+0·0004	−0·07	−9·8350	+8·9598	−0·8105	+9·9762	...	...	5462	489	2090
256	84 36 4·59	84·09	3	...	−6·461	+0·2217	+0·0007	0·00	−9·5351	−8·4817	−0·8103	+9·9762	...	...	...	...	2093
257	131 31 41·30	80·04	3	...	−6·333	+0·1362	+0·0002	−0·09	−9·9795	+9·3209	−0·8016	+9·9772	1626	799	5510	492	2114
258	124 26 26·22	77·09	3	...	−6·240	+0·1539	+0·0003	−0·02	−9·9520	+9·2454	−0·7952	+9·9779	1630	806	5537	...	2124
259	87 45 24·70	84·10	3	...	−6·197	+0·2178	+0·0006	+0·01	−9·5980	−8·0826	−0·7922	+9·9782	...	...	...	...	2128
260	65 36 3·33	78·29	3	...	−6·118	+0·2547	+0·0009	...	−7·2345	−9·1004	−0·7866	+9·9788	...	...	...	...	2136
261	57 1 32·35	75·94	26	...	−6·099	+0·2721	+0·0011	0·00	+9·1890	−9·2188	−0·7852	+9·9789	...	...	...	...	2138
262	65 8 10·50	76·69	3	...	−5·962	+0·2564	+0·0009	+0·04	+7·8915	−9·0969	−0·7754	+9·9799	...	...	...	...	2147
263	158 16 7·14	71·08	3	...	−5·897	−0·0080	+0·0007	...	−0·0206	+9·4364	−0·7706	+9·9804	1687	...	5626	...	2154
264	65 32 0·46	83·01	3	...	−5·671	+0·2569	+0·0008	...	+7·3699	−9·0687	−0·7537	+9·9819	...	...	...	...	...
265	102 42 54·65	84·06	4	...	−5·666	+0·1958	+0·0004	+0·08	−9·8023	+8·7937	−0·7533	+9·9819	...	...	5689	...	2172
266	65 41 8·84	83·03	3	...	−5·604	+0·2569	+0·0008	...	−5·6581	−9·0609	−0·7485	+9·9823	...	...	...	...	...
267	65 51 30·44	83·05	3	...	−5·574	+0·2567	+0·0008	...	−7·4832	−9·0557	−0·7462	+9·9825	...	...	...	...	...
268	65 41 36·72	83·01	3	...	−5·522	+0·2572	+0·0008	...	+6·4645	−9·0544	−0·7421	+9·9829	...	...	...	...	...
269	125 10 40·75	81·78	4	...	−5·486	+0·1531	+0·0002	...	−9·9585	+9·1976	−0·7392	+9·9831	1685	...	5745	...	2194
270	62 28 23·76	80·95	4	...	−5·433	+0·2639	+0·0008	...	+8·7791	−9·0976	−0·7350	+9·9834	...	...	...	...	...
271	129 53 34·93	77·10	4	...	−5·395	+0·1413	+0·0002	−0·03	−9·9780	+9·2369	−0·7320	+9·9837	1700	849	5764	509	2201
272	121 56 47·61	80·04	3	...	−5·373	+0·1605	+0·0003	...	−9·9435	+9·1515	−0·7302	+9·9838	1695	848	5768	...	2205
273	112 31 59·28	76·41	25	...	−5·158	+0·1798	+0·0003	+0·07	−9·8871	+8·9937	−0·7125	+9·9851	...	...	5816	514	2225
274	95 14 33·99	84·09	3	...	−5·025	+0·2096	+0·0005	+0·06	−9·7164	+8·3598	−0·7012	+9·9859	...	...	5848	...	2234
275	116 56 49·15	82·00	4	...	−4·960	+0·1716	+0·0003	...	−9·9169	+9·0495	−0·6955	+9·9863	...	...	5870	...	...
276	116 57 10·70	81·99	6	...	−4·921	+0·1717	+0·0003	...	−9·9170	+9·0462	−0·6921	+9·9865	...	...	5885	...	2246
277	98 54 32·46	84·07	3	...	−4·902	+0·2039	+0·0004	0·00	−9·7625	+8·5781	−0·6904	+9·9866	...	...	5888	...	2248
278	147 38 11·99	76·97	3	...	−4·898	+0·0736	+0·0003	−0·10	−0·0217	+9·3145	−0·6900	+9·9866	1744	878	5893	522	2249
279	123 55 5·54	81·89	3	...	−4·826	+0·1567	+0·0002	...	−9·9550	+9·1281	−0·6836	+9·9870	...	...	5909	...	...
280	113 16 18·11	81·91	3	...	−4·818	+0·1790	+0·0003	...	−9·8933	+8·9774	−0·6829	+9·9871	...	...	5912	...	...

No. 245. Five observations S.P. of this star for the mean Year 74·01 make the N.P.D. 145° 17′ 34″·11.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
281	8·2	4	Cæli	5 4 25·55	82·03	4	+2·1746	+0·0016	0·0000	...	+8·2892	+8·8959	+0·3374	−8·0443
282	6·0	2	Columbæ, B.A.C. 1603	5 4 38·99	77·09	3	+1·9288	+0·0019	0·0000	−0·013	+8·3273	+8·9358	+0·2853	−8·1475
283	8·2	4	Cæli	5 4 55·22	82·03	4	+2·1740	+0·0016	0·0000	...	+8·2854	+8·8962	+0·3373	−8·0405
284	8·2	3	Cæli	5 5 19·83	82·07	3	+2·2069	+0·0016	0·0000	...	+8·2771	+8·8912	+0·3438	−8·0210
285	Var.	...	μ Doradus	5 5 56·14	80·06	3	+0·6317	+0·0068	−0·0001	−0·001	+8·5204	+9·1395	+9·8005	−8·4662
286	4·0	...	μ Leporis	5 7 32·45	81·43	1	+2·6904	+0·0017	0·0000	+0·001	+8·1977	+8·8303	+0·4298	−7·6471
287	1·0	0	α Aurigæ	5 7 49·58	76·69	26	+4·4152	+0·0086	−0·0003	+0·008	+8·3347	+8·9698	+0·6449	+8·1907
288	8·6	3	Leporis, O.A. 3769 ...	5 7 57·56	82·03	3	+2·6557	+0·0017	0·0000	...	+8·1975	+8·8338	+0·4242	−7·6813
289	8·2	3	Leporis, O.A. 3773 ...	5 8 9·32	82·06	3	+2·6313	+0·0017	0·0000	...	+8·1983	+8·8362	+0·4202	−7·7042
290	8·2	2	Cæli	5 8 14·90	81·90	3	+2·1727	+0·0016	0·0000	...	+8·2586	+8·8974	+0·3370	−8·0131
291	1·0	...	β Orionis	5 8 46·26	77·27	90	+2·8812	+0·0020	0·0000	−0·001	+8·1742	+8·8176	+0·4596	−7·3358
292	7·5	3	Leporis, Lal. 9853 ...	5 8 58·00	81·89	3	+2·5510	+0·0016	0·0000	...	+8·2002	+8·8452	+0·4067	−7·7698
293	8·5	3	Weisse, V., 173 ...	5 9 4·74	82·01	3	+2·7456	+0·0018	0·0000	...	+8·1803	+8·8263	+0·4387	−7·5659
294	5·0	...	λ Aurigæ	5 10 42·11	73·68	5	+4·1679	+0·0067	−0·0003	+0·046	+8·2689	+8·9295	+0·6199	+8·0769
295	6·0	1	Columbæ, B.A.C. 1641	5 11 28·37	77·09	3	+2·1550	+0·0016	0·0000	−0·007	+8·2334	+8·9011	+0·3334	−7·9927
296	4·0	...	τ Orionis	5 11 46·83	84·10	3	+2·9124	+0·0020	0·0000	−0·003	+8·1470	+8·8175	+0·4642	−7·2313
297	6·7	3	Columbæ, B.A.C. 1644	5 11 59·56	80·06	3	+2·2012	+0·0016	0·0000	−0·004	+8·2216	+8·8941	+0·3427	−7·9654
298	6·2	2	Mensæ, B.A.C. 1675 ..	5 12 35·04	76·54	37	−7·0400	+0·1368	+0·0087	−0·026	+9·0282	+9·7063	−0·8476	−9·0246
299	7·7	2	Orionis, Lal. 9957 ...	5 12 42·487	81·70	3	+2·9263	+0·0020	0·0000	...	+8·1381	+8·8173	+0·4663	−7·1831
300	6·5	2	Tauri, B.A.C. 1648 ...	5 13 27·26	78·27	3	+3·7637	+0·0044	−0·0002	...	+8·1820	+8·8683	+0·5756	+7·8512
301	6·5	3	Pictoris, B.A.C. 1686 ...	5 17 56·07	80·06	3	+1·7811	+0·0020	0·0000	−0·003	+8·2319	+8·9632	+0·2507	−8·0775
302	7·5	2	Doradus, L. 1861 ...	5 18 10·71	81·08	3	−0·3025	+0·0112	0·0000	...	+8·5228	+9·2567	−9·4807	−8·4921
303	3·3	...	η Orionis	5 18 26·68	84·10	3	+3·0147	+0·9020	0·0000	−0·001	+8·0804	+8·8171	+0·4792	−6·7216
304	2·0	...	β Tauri	5 18 42·41	77·11	102	+3·7866	+0·0041	−0·0002	+0·001	+8·1334	+8·8729	+0·5782	+7·8121
305	5·5	1	Columbæ, B.A.C. 1693	5 19 26·30	77·10	3	+1·9762	+0·0017	0·0000	−0·003	+8·1840	+8·9315	+0·2958	−7·9902
306	3·3	2	β Leporis	5 23 6·19	84·10	3	+2·5696	+0·0015	0·0000	−0·001	+8·0583	+8·8477	+0·4099	−7·6097
307	5·5	3	Columbæ, B.A.C. 1719	5 23 14·12	80·06	3	+1·9232	+0·0017	0·0000	−0·005	+8·1498	+8·9408	+0·2840	−7·9672
308	7·0	3	Mensæ, L. 2066 ...	5 25 47·41	76·89	18	−9·4876	+0·1561	+0·0211	0·000	+8·9764	+9·7992	−0·9771	−8·9740
309	2·0	...	δ Orionis	5 25 52·57	77·66	100	+3·0634	+0·0019	0·0000	−0·001	+7·9952	+8·8191	+0·4862	−5·8274
310	4·0	3	ϵ Columbæ	5 26 57·11	77·10	3	+2·1266	+0·0015	0·0000	0·000	+8·0710	+8·9090	+0·3277	−7·8356
311	3·0	...	α Leporis	5 27 26·23	77·99	105	+2·6446	+0·0015	0·0000	−0·001	+7·9966	+8·8411	+0·4224	−7·4844
312	6·3	...	Tauri, B.A.C. 1746 ...	5 28 23·69	74·88	4	+3·7641	+0·0032	−0·0002	...	+8·0145	+8·8722	+0·5757	+7·6801
313	5·8	3	Columbæ, B.A.C. 1753	5 28 49·70	80·06	3	+2·1372	+0·0015	0·0000	+0·002	+8·0440	+8·9077	+0·3298	−7·8050
314	3·1	2	ι Orionis	5 29 33·81	84·11	3	+2·9333	+0·0016	0·0000	−0·001	+7·9482	+8·8224	+0·4674	−6·9667
315	2·0	...	ϵ Orionis	5 30 7·46	77·52	103	+3·0427	+0·0017	0·0000	−0·002	+7·9379	+8·8203	+0·4833	−6·2870
316	7·1	3	Weisse, V., 912... ...	5 31 28·69	83·05	3	+3·7351	+0·0029	−0·0002	...	+7·9662	+8·8689	+0·5723	+7·6164
317	5·7	2	Pictoris, B.A.C. 1788 ...	5 32 47·13	77·09	3	+1·6293	+0·0019	0·0000	−0·004	+8·0669	+8·9902	+0·2120	−7·9337
318	8·4	3	Tauri, Lal. 10669 ...	5 34 8·19	83·05	3	+3·7362	+0·0027	−0·0002	...	+7·9239	+8·8695	+0·5724	+7·5742
319	2·0	...	α Columbæ	5 35 18·17	77·75	151	+2·1711	+0·0014	0·0000	+0·001	+7·9377	+8·9035	+0·3367	−7·6868
320	6·5	2	Columbæ, B.A.C. 1809	5 37 3·43	80·08	3	+2·1932	+0·0014	0·0000	−0·005	+7·9023	+8·9004	+0·3411	−7·6438

No. 282. P′ and p′ affected with proper motion s. +0·0017 ″ +0·1357.
No. 287. „ „ „ +0·0081 +0·3135.
No. 294. „ „ „ +0·0060 +0·3044.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
281	124 40 18·75	82·03	3	...	−4·815	+0·1550	+0·0002	...	−9·9586	+9·1354	−0·6826	+9·9871	...	...	...	...	...
282	131 22 38·16	77·10	4	...	−4·796	+0·1376	+0·0002	−0·33	−9·9856	+9·1989	−0·6809	+9·9872	1737	881	5922	...	2256
283	124 40 29·85	82·05	3	...	−4·773	+0·1550	+0·0002	...	−9·9587	+9·1317	−0·6788	+9·9873	...	...	...	...	...
284	123 40 19·75	82·07	3	...	−4·738	+0·1573	+0·0002	...	−9·9541	+9·1173	−0·6756	+9·9875	...	...	5939	...	...
285	151 57 34·13	80·06	4	...	−4·687	+0·0458	+0·0003	...	−0·0262	+9·3145	−0·6709	+9·9878	1766	891	5952	527	2265
286	106 20 55·30	81·43	1	...	−4·550	+0·1920	+0·0003	+0·02	−9·8391	+8·8053	−0·6580	+9·9885	...	...	5984	...	2282
287	44 7 35·02	76·58	26	...	−4·526	+0·3146	+0·0011	+0·42	+9·5990	−9·2905	−0·6557	+9·9886	...	883	...	526	2285
288	107 44 11·04	82·03	3	...	−4·515	+0·1896	+0·0003	...	−9·8513	+8·8362	−0·6546	+9·9887	...	...	...	...	...
289	108 41 58·86	82·07	3	...	−4·498	+0·1880	+0·0003	...	−9·8594	+8·8568	−0·6530	+9·9888	...	...	...	...	...
290	124 37 22·26	81·90	3	...	−4·490	+0·1553	+0·0002	...	−9·9594	+9·1045	−0·6522	+9·9888	...	...	...	...	...
291	98 20 29·26	76·29	29	...	−4·445	+0·2058	+0·0004	0·00	−9·7564	+8·5073	−0·6479	+9·9891	...	893	6004	529	2292
292	111 47 26·60	81·89	3	...	−4·429	+0·1823	+0·0003	...	−9·8836	+8·9137	−0·6463	+9·9891	...	...	6009	...	...
293	104 3 50·08	82·01	3	...	−4·419	+0·1962	+0·0003	...	−9·8182	+8·7288	−0·6453	+9·9892	...	...	...	...	...
294	50 0 34·92	73·58	6	...	−4·281	+0·2978	+0·0009	+0·66	+9·4704	−9·1373	−0·6315	+9·9899	...	...	...	...	...
295	125 3 42·67	77·09	3	...	−4·215	+0·1545	+0·0002	−0·05	−9·9623	+9·0818	−0·6247	+9·9902	1783	904	6062	533	2315
296	96 58 30·09	84·10	3	...	−4·188	+0·2086	+0·0004	0·00	−9·7399	+8·4042	−0·6220	+9·9903	...	...	6066	...	2319
297	123 40 11·23	80·06	4	...	−4·170	+0·1579	+0·0002	0·00	−9·9559	+9·0618	−0·6201	+9·9904	1786	907	6073	536	2321
298	172 37 38·96	75·66	19	17	−4·119	−0·5015	+0·0085	−0·02	−0·0112	+9·3090	−0·6148	+9·9906	1921	955	6105	548	2330
299	96 22 5·96	81·70	3	...	−4·109	+0·2097	+0·0004	...	−9·7322	+8·3565	−0·6137	+9·9907	...	...	...	...	...
300	62 9 57·47	78·27	3	...	−4·045	+0·2696	+0·0007	...	+8·8672	−8·9739	−0·6069	+9·9910	...	...	...	...	2338
301	134 29 24·89	80·06	3	...	−3·660	+0·1285	+0·0001	−0·01	−9·9994	+9·1069	−0·5635	+9·9926	1830	937	6208	547	2371
302	158 42 54·66	71·08	3	...	−3·629	−0·0209	+0·0006	...	−0·0309	+9·2281	−0·5610	+9·9927	1861	951	6218	...	2374
303	92 30 31·36	84·10	3	...	−3·616	+0·2170	+0·0003	−0·01	−9·6781	+7·8972	−0·5583	+9·9928	...	...	6217	...	2378
304	61 29 44·69	75·40	31	...	−3·594	+0·2724	+0·0006	+0·18	+8·9456	−8·9321	−0·5555	+9·9929	...	932	...	546	2382
305	129 47 25·53	77·10	4	...	−3·531	+0·1426	+0·0001	+0·01	−9·9838	+9·0518	−0·5479	+9·9932	1834	...	6246	549	2390
306	110 51 21·06	84·10	3	...	−3·215	+0·1856	+0·0002	+0·08	−9·8790	+8·7564	−0·5071	+9·9943	...	...	6344	...	2428
307	131 2 51·34	80·06	3	...	−3·203	+0·1391	+0·0001	−0·10	−9·9892	+9·0207	−0·5056	+9·9944	1862	...	6348	556	2431
308	173 59 27·21	74·85	12	13	−2·983	−0·6834	+0·0101	−0·12	−0·0124	+9·1700	−0·4746	+9·9951	2066	...	6422	...	2452
309	90 23 21·82	76·40	23	...	−2·975	+0·2215	+0·0002	0·00	−9·6440	+7·0035	−0·4735	+9·9952	...	...	6401	...	2454
310	125 33 32·07	77·10	4	...	−2·882	+0·1540	+0·0001	0·00	−9·9678	+8·9220	−0·4597	+9·9955	1883	970	6427	563	2462
311	107 54 33·33	76·50	29	...	−2·840	+0·1915	+0·0001	−0·01	−9·8557	+8·6389	−0·4533	+9·9956	...	...	6436	564	2466
312	62 25 3·32	74·88	4	...	−2·757	+0·2724	+0·0004	...	+8·8697	−8·8038	−0·4404	+9·9959	...	...	...	...	2475
313	125 13 21·41	80·06	3	...	−2·719	+0·1550	+0·0001	+0·05	−9·9665	+8·8933	−0·4345	+9·9960	1890	979	6466	568	2480
314	95 59 22·62	84·11	3	...	−2·655	+0·2125	+0·0002	−0·01	−9·7283	+8·1404	−0·4241	+9·9962	...	...	6486	...	2493
315	91 16 47·78	76·21	28	...	−2·607	+0·2205	+0·0002	−0·01	−9·6589	+7·4629	−0·4161	+9·9963	...	...	6501	573	2495
316	63 27 13·49	83·05	3	...	−2·489	+0·2708	+0·0003	...	+8·7430	−8·7441	−0·3961	+9·9966	...	...	...	...	...
317	137 23 15·27	77·09	3	...	−2·376	+0·1184	+0·0001	+0·03	−0·0105	+8·9404	−0·3758	+9·9969	1930	999	6565	582	2518
318	63 26 55·29	83·05	3	...	−2·258	+0·2712	+0·0003	...	+8·7485	−8·7019	−0·3538	+9·9972	...	...	...	...	...
319	124 8 19·96	75·13	35	...	−2·157	+0·1578	+0·0001	+0·05	−9·9624	+8·7807	−0·3338	+9·9975	1938	1010	6633	586	2547
320	123 27 38·46	80·08	4	...	−2·004	+0·1595	+0·0001	−0·03	−9·9593	+8·7412	−0·3019	+9·9978	1955	1015	6676	588	2562

No. 314. Double, Companion, 7·3 mag., S., following.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880. Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
321	4·0	2	γ Leporis	5 39 27·61	84·10	3	+ 2·5211	+0·0013	0·0000	−0·023	+7·8101	+8·8565	+0·4016	−7·3927
322	5·7	2	Columbæ, B.A.C. 1825	5 39 32·32	77·09	3	+ 1·9762	+0·0014	0·0000	−0·004	+7·8864	+8·9345	+0·2958	−7·6896
323	5·0	...	τ Aurigæ	5 40 51·71	73·59	6	+ 4·1565	+0·0030	−0·0003	−0·002	+7·8555	+8·9327	+0·6187	+7·6556
324	3·9	2	ζ Leporis	5 41 31·04	84·11	3	+ 2·7186	+0·0013	0·0000	−0·002	+7·7448	+8·8373	+0·4343	−7·1540
325	2·6	...	κ Orionis	5 42 3·92	82·48	36	+ 2·8442	+0·0013	0·0000	−0·002	+7·7233	+8·8288	+0·4540	−6·9504
326	5·7	3	ι Mensæ	5 42 57·73	73·81	11	− 3·7117	+0·0222	+0·0023	+0·005	+8·4096	+9·5375	−0·5696	−8·4013
327	7·5	3	Doradus, L. 2049 ...	5 44 7·05	81·08	3	− 0·2503	+0·0051	0·0000	...	+8·0932	+9·2517	−9·3985	−8·0607
328	5·0	1	136 Tauri	5 45 47·11	75·77	6	+ 3·7694	+0·0019	−0·0002	+0·001	+7·6686	+8·8755	+0·5763	+7·3342
329	6·2	4	Pictoris, B.A.C. 1873 ...	5 46 4·91	77·13	4	+ 1·7420	+0·0015	0·0000	...	+7·7569	+8·9729	+0·2410	−7·6057
330	3·9	2	δ Leporis	5 46 9·59	84·10	3	+ 2·5630	+0·0012	0·0000	+0·016	+7·6341	+8·8526	+0·4087	−7·1863
331	5·8	8	Mensæ, B.A.C. 1898 ...	5 46 44·95	80·36	9	− 4·9524	+0·0250	+0·0045	+0·080	+8·3707	+9·6081	−0·6948	−8·3647
332	1·0	...	α Orionis	5 48 40·53	77·14	115	+ 3·2454	+0·0013	−0·0001	+0·001	+7·5212	+8·8270	+0·5113	+6·6301
333	2·0	...	β Aurigæ	5 50 43·67	73·61	6	+ 4·4050	+0·0021	−0·0004	−0·006	+7·5808	+8·9736	+0·6439	+7·4298
334	3·8	1	η Leporis	5 50 56·38	84·10	3	+ 2·7345	+0·0012	0·0000	−0·004	+7·4342	+8·8370	+0·4369	−6·8237
335	6·8	3	Columbæ, B.A.C. 1915	5 52 20·30	80·07	3	+ 2·2376	+0·0012	0·0000	...	+7·4195	+8·8952	+0·3498	−7·1436
336	6·4	4	Meusæ, B.A.C. 1960 ...	5 53 28·28	75·77	21	−11·7256	+0·0450	+0·0406	0·000	+8·3246	+9·8698	−1·0691	−8·3228
337	5·0	1	Orionis, Lal. 11382 ...	5 54 3·11	84·09	3	+ 3·0004	+0·0011	0·0000	...	+7·2387	+8·8244	+0·4772	−5·9689
338	5·7	3	Puppis, B.A.C. 1929 ...	5 55 4·00	77·13	4	+ 1·7796	+0·0013	0·0000	−0·005	+7·3002	+8·9672	+0·2503	−7·1423
339	7·5	3	Doradus, L. 2134 ...	5 56 7·51	81·10	3	− 0·2464	+0·0025	0·0000	...	+7·4796	+9·2514	−9·3917	−7·4469
340	5·8	3	Columbæ, B.A.C. 1941	5 56 55·23	80·07	3	+ 2·1736	+0·0012	0·0000	−0·003	+7·0332	+8·9048	+0·3372	−6·7798
341	5·9	2	66 Orionis	5 58 37·95	84·10	3	+ 3·1697	+0·0010	−0·0001	−0·003	+6·6009	+8·8250	+0·5010	+5·4619
342	4·6	...	ν Orionis	6 0 43·23	77·43	103	+ 3·4251	+0·0008	−0·0001	0·000	−6·3361	+8·8385	+0·5347	−5·7428
343	6·0	3	Columbæ, B.A.C. 1976	6 2 44·22	80·07	3	+ 2·1605	+0·0011	0·0000	−0·006	−6·9839	+8·9068	+0·3345	+6·7348
344	5·5	3	π^1 Columbæ	6 2 58·50	77·13	4	+ 1·8566	+0·0012	0·0000	−0·006	−7·0681	+8·9547	+0·2687	+6·8960
345	3·5	...	η Geminorum	6 7 38·03	82·54	20	+ 3·6269	+0·0003	−0·0001	−0·005	−7·3809	+8·8582	+0·5595	−6·9645
346	4·5	1	κ Aurigæ	6 7 43·92	76·70	3	+ 3·8296	+0·0001	−0·0002	−0·005	−7·4124	+8·8841	+0·5831	−7·1053
347	7·4	1	Monocerotis, Lal. 11906	6 8 8·71	84·13	3	+ 2·9032	+0·0008	0·0000	...	−7·3780	+8·8271	+0·4629	+6·4770
348	4·4	2	5 Monocerotis	6 9 0·18	84·14	3	+ 2·9263	+0·0008	0·0000	−0·001	−7·4206	+8·8261	+0·4663	+6·4567
349	7·0	1	Mensæ, B.A.C. 2085 ...	6 11 24·09	76·73	20	−15·6806	−0·1121	+0·0887	−0·010	−8·6688	+9·9720	−1·1954	+8·6677
350	6·7	2	6 Monocerotis	6 11 56·65	84·09	3	+ 2·8205	+0·0008	0·0000	−0·003	−7·5483	+8·8309	+0·4503	+6·8163
351	4·5	2	κ Columbæ	6 12 16·98	77·13	4	+ 2·1340	+0·0010	0·0000	−0·004	−7·6400	+8·9105	+0·3292	+7·3997
352	6·4	3	Columbæ, B.A.C. 2037	6 13 2·41	80·12	4	+ 2·0589	+0·0010	0·0000	−0·006	−7·6776	+8·9221	+0·3136	+7·4592
353	3·0	...	μ Geminorum	6 15 42·05	77·97	88	+ 3·6268	−0·0002	−0·0001	+0·004	−7·6939	+8·8575	+0·5595	−7·2781
354	2·5	2	β Canis Majoris	6 17 24·85	84·11	3	+ 2·6418	+0·0008	0·0000	−0·001	−7·7257	+8·8442	+0·4219	+7·2133
355	4·5	3	3 Canis Majoris	6 17 43·63	80·12	4	+ 2·1942	+0·0010	0·0000	−0·003	−7·7902	+8·9009	+0·3413	+7·5307
356	9·5	3	Arg. + 24° 1263 ...	6 18 55·16	83·10	4	+ 3·6875	−0·0005	−0·0001	...	−7·7821	+8·8644	+0·5667	−7·4045
357	6·0	3	Columbæ, B.A.C. 2089	6 20 50·86	77·13	3	+ 1·9465	+0·0009	0·0000	−0·004	−7·8993	+8·9392	+0·2893	+7·7093
358	1·0	0	α Argus	6 21 17·25	75·35	28	+ 1·3293	+0·0005	0·0000	0·000	−8·0081	+9·0389	+0·1236	+7·9083
359	5·5	1	10 Monocerotis	6 22 2·03	84·12	3	+ 2·9632	+0·0005	0·0000	−0·001	−7·8076	+8·8234	+0·4718	+6·7201
360	5·5	1	G Puppis	6 22 32·87	80·12	3	+ 1·5892	+0·0007	0·0000	−0·005	−7·9915	+8·9972	+0·2012	+7·8633

No. 321. P′ and p′ affected with proper motion + s. 0·0012 + ″ 0·1802.
No. 330. ,, ,, ,, + 0·0007 + 0·1845.
No. 331. ,, ,, ,, + 0·0504 − 0·3487.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
321	112 29 17·70	84·10	3	...	−1·795	+0·1835	+0·0001	+0·37	−9·8931	+8·5345	−0·2540	+9·9982	...	...	6733	...	2582
322	129 27 37·56	77·09	3	...	−1·788	+0·1440	+0·0001	−0·02	−9·9859	+8·7533	−0·2524	+9·9983	1973	1026	6736	594	2584
323	50 51 43·58	73·59	6	...	−1·673	+0·3023	+0·0004	+0·03	+9·4661	−8·7214	−0·2234	+9·9985	...	...	...	...	...
324	104 52 3·70	84·11	3	...	−1·616	+0·1980	+0·0001	−0·01	−9·8294	+8·3153	−0·2083	+9·9986	...	...	6778	598	2596
325	99 42 48·60	83·67	5	...	−1·568	+0·2071	+0·0001	0·00	−9·7751	+8·1203	−0·1953	+9·9987	...	...	6788	...	2601
326	168 52 53·64	73·88	6	6	−1·490	−0·2696	+0·0014	−0·04	−0·0262	+8·8626	−0·1731	+9·9988	2097	1068	6827	610	2609
327	158 7 46·15	71·08	3	...	−1·389	−0·0179	+0·0002	...	−0·0364	+8·8080	−0·1426	+9·9990	2049	...	6844	...	2625
328	62 25 4·70	75·77	6	...	−1·243	+0·2745	+0·0002	+0·01	+8·8897	−8·4579	−0·0945	+9·9992	...	...	...	606	...
329	134 54 39·64	77·13	4	...	−1·217	+0·1270	+0·0001	+0·02	−0·0052	+8·6319	−0·0853	+9·9992	2034	1061	6883	...	2645
330	110 53 23·94	84·10	3	...	−1·210	+0·1868	0·0000	+0·65	−9·8815	+8·3328	−0·0828	+9·9992	...	...	6884	...	2646
331	170 33 25·04	80·34	3	3	−1·159	−0·3602	+0·0015	−1·08	−0·0236	+8·7559	−0·0640	+9·9993	2138	1096	6907	622	2653
332	82 37 0·52	76·71	24	...	−0·990	+0·2365	+0·0001	−0·02	−9·4799	−7·8026	−9·9958	+9·9995	...	1064	...	611	2672
333	45 4 2·63	73·61	6	...	−0·811	+0·3211	+0·0002	+0·01	+9·6005	−8·4559	−9·9091	+9·9996	...	...	...	618	2694
334	104 11 26·59	84·11	3	...	−0·793	+0·1994	0·0000	−0·15	−9·8232	+7·9863	−9·8991	+9·9997	...	...	6992	...	2696
335	121 59 33·89	80·07	3	...	−0·670	+0·1632	0·0000	0·00	−9·9530	+8·2482	−9·8263	+9·9998	2075	1092	7040	...	2713
336	174 50 22·60	77·33	19	19	−0·571	−0·8545	+0·0031	−0·02	−0·0148	+8·4528	−9·7568	+9·9998	2296	1165	7097	651	2724
337	93 4 49·12	84·09	3	...	−0·520	+0·2188	0·0000	...	−9·6875	+7·1444	−9·7163	+9·9998	...	...	7089	...	...
338	134 2 38·12	77·13	4	...	−0·432	+0·1298	0·0000	−0·03	−0·0030	+8·1750	−9·6351	+9·9999	2098	1105	7110	634	2733
339	158 3 40·95	71·10	3	...	−0·339	−0·0179	+0·0001	...	−0·0372	+8·1954	−9·5303	+9·9999	2134	...	7145	...	2739
340	123 54 48·36	80·07	3	...	−0·269	+0·1585	0·0000	−0·01	−9·9628	+7·8749	−9·4305	0·0000	2108	1113	7159	638	2747
341	85 50 9·28	84·10	3	...	−0·120	+0·2311	0·0000	+0·01	−9·5564	−6·6369	−9·0780	0·0000	...	...	...	...	...
342	75 13 6·80	75·71	27	...	+0·063	+0·2497	0·0000	+0·01	−9·2159	+6·9043	+8·7997	0·0000	...	...	...	...	2779
343	124 17 51·07	80·07	3	...	+0·239	+0·1575	0·0000	+0·01	−9·9647	−7·8280	+9·3793	0·0000	2142	1139	7321	652	2802
344	132 17 4·40	77·13	4	...	+0·260	+0·1353	0·0000	...	−9·9973	−7·9412	+9·4155	0·0000	2154	1144	7332	654	2808
345	67 27 36·13	83·59	4	...	+0·668	+0·2641	−0·0001	0·00	−8·2458	+8·1060	+9·8247	+9·9998	...	1166	...	662	2853
346	60 27 33·88	76·70	3	...	+0·676	+0·2790	−0·0001	+0·28	+9·0618	+8·2209	+9·8302	+9·9997	...	...	...	661	...
347	97 12 57·68	84·13	3	...	+0·713	+0·2114	0·0000	...	−9·7450	−7·6496	+9·8528	+9·9997	...	...	7468	...	...
348	96 14 21·35	84·14	3	...	+0·788	+0·2130	−0·0001	...	−9·7323	−7·6302	+9·8963	+9·9997	...	...	7495	...	2868
349	175 55 37·75	75·73	22	21	+0·997	−1·1421	−0·0073	+0·03	−0·0116	−8·6952	+9·9985	+9·9995	2512	1269	7601	702	2881
350	100 40 54·72	84·09	3	...	+1·045	+0·2052	−0·0001	0·00	−9·7864	−7·9848	+0·0190	+9·9994	...	...	7572	...	2887
351	125 6 4·13	77·13	4	...	+1·074	+0·1551	−0·0001	−0·09	−9·9681	−8·4886	+0·0311	+9·9994	2213	1191	7586	669	2892
352	127 12 30·69	80·12	4	...	+1·140	+0·1496	−0·0001	+0·01	−9·9774	−8·5364	+0·0571	+9·9993	2218	1197	7609	674	2897
353	67 25 35·26	76·05	25	...	+1·373	+0·2635	−0·0001	+0·10	−8·2470	+8·4196	+0·1376	+9·9990	...	1202	...	677	2923
354	107 53 50·56	84·11	3	...	+1·522	+0·1917	−0·0001	0·00	−9·8569	−8·3679	+0·1825	+9·9987	...	1217	7719	686	2940
355	123 22 34·73	80·12	4	...	+1·550	+0·1591	−0·0001	+0·06	−9·9594	−8·6285	+0·1902	+9·9987	2244	1221	7731	687	2945
356	65 13 4·46	83·10	4	...	+1·654	+0·2676	−0·0003	...	+8·3771	+8·5386	+0·2184	+9·9985	...	...	...	...	...
357	130 13 2·64	77·13	3	...	+1·822	+0·1410	−0·0001	+0·01	−9·9887	−8·7683	+0·2605	+9·9982	2276	1237	7824	694	2983
358	142 37 49·40	75·76	29	...	+1·860	+0·0961	0·0000	−0·01	−0·0231	−8·8675	+0·2695	+9·9981	2291	1241	7843	697	2992
359	94 41 20·79	84·12	3	...	+1·925	+0·2146	−0·0002	−0·01	−9·7108	−7·8947	+0·2844	+9·9980	...	...	7856	...	2997
360	138 6 19·83	80·12	3	...	+1·970	+0·1149	−0·0001	+0·07	−0·0130	−8·8640	+0·2944	+9·9979	2297	1245	7874	701	3004

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
361	7·0	1	Aurigæ, B.A.C. 2097 ...	6 22 47·70	76·60	3	+3·7883	−0·0010	−0·0002	...	−7·8761	+8·8770	+0·5784	−7·5518
362	5·3	...	4 Canis Majoris	6 26 51·45	83·07	1	+2·4996	+0·0008	0·0000	−0·005	−7·9288	+8·8580	+0·3979	+7·5266
363	5·8	3	Canis Majoris, B.A.C. 2141	6 27 25·63	77·15	3	+2·0773	+0·0009	0·0000	−0·005	−7·9977	+8·9176	+0·3175	+7·7757
364	5·3	...	49 Aurigæ	6 27 38·54	74·90	2	+3·7814	−0·0014	−0·0002	0·000	−7·9588	+8·8753	+0·5777	−7·6320
365	7·0	3	Puppis, B.A.C. 2151 ...	6 28 50·96	80·12	3	+1·7358	+0·0007	0·0000	...	−8·0749	+8·9726	+0·2395	+7·9260
366	4·7	2	ξ^2 Canis Majoris	6 30 1·58	84·12	3	+2·5132	+0·0007	0·0000	+0·002	−7·9755	+8·8557	+0·4002	+7·5651
367	2·3	...	γ Geminorum	6 30 46·77	76·81	90	+3·4648	−0·0007	−0·0001	+0·002	−7·9689	+8·8382	+0·5397	−7·4223
368	8·0	4	Doradus	6 31 10·98	71·16	4	−0·3530	−0·0056	0·0000	...	−8·3992	+9·2628	−9·5478	+8·3689
369	6:0	1	Monocerotis, B.A.C. 2189 ...	6 34 55·28	84·12	3	+3·0863	−0·0001	−0·0001	...	−8·0052	+8·8189	+0·4894	−6·0295
370	5·0	3	V Puppis	6 35 25·55	77·15	3	+1·5994	+0·0004	0·0000	−0·002	−8·1867	+8·9941	+0·2039	+8·0586
371	5·5	1	28 Geminorum	6 37 9·18	76·70	3	+3·8064	−0·0022	−0·0002	−0·001	−8·0904	+8·8767	+0·5805	−7·7772
372	8·5	3	Doradus	6 37 17·03	71·16	3	−0·0913	−0·0055	0·0000	...	−8·4480	+9·2328	−8·9606	+8·4132
373	3·6	...	ξ Geminorum	6 38 33·25	82·87	24	+3·3772	−0·0009	−0·0001	−0·009	−8·0591	+8·8291	+0·5285	−7·4119
374	1:0	...	α Canis Majoris	6 39 51·52	77·56	121	+2·6810	+0·0005	0·0000	−0·037	−8·0804	+8·8357	+0·4283	+7·5351
375	4·7	1	18 Monocerotis	6 41 36·22	84·13	3	+3·1307	−0·0003	−0·0001	−0·002	−8·0809	+8·8171	+0·4956	−6·7278
376	6·8	3	Puppis, B.A.C. 2225 ...	6 42 5·09	80·12	3	+2·0583	+0·0007	0·0000	−0·005	−8·1868	+8·9179	+0·3135	+7·9727
377	6·3	3	Puppis, B.A.C. 2234 ...	6 43 28·89	77·15	3	+1·6308	+0·0002	0·0000	−0·002	−8·2712	+8·9878	+0·2124	+8·1400
378	6·0	3	u Puppis	6 47 28·46	80·12	3	+2·1188	+0·0007	0·0000	−0·009	−8·2296	+8·9070	+0·3261	+7·9997
379	4·3	...	θ Canis Majoris	6 48 36·89	82·88	33	+2·7972	+0·0002	0·0000	−0·010	−8·1566	+8·8235	+0·4467	+7·4706
380	5·9	...	ζ Mensæ	6 50 0·51	75·96	25	−4·8852	−0·0811	+0·0034	−0·007	−8·9502	+9·6043	−0·6889	+8·9444
381	5·3	1	19 Canis Majoris	6 50 25·17	84·15	3	+2·5979	+0·0005	0·0000	+0·003	−8·1898	+8·8403	+0·4146	+7·7235
382	5·5	3	Puppis, B.A.C. 2277 ...	6 50 39·99	77·15	3	+1·8890	+0·0005	0·0000	0·000	−8·2953	+8·9436	+0·2762	+8·1226
383	7·2	3	Geminorum, Lal. 13515	6 53 25·83	83·15	3	+3·4380	−0·0018	−0·0001	...	−8·2041	+8·8285	+0·5363	−7·6364
384	6·0	...	Canis Majoris, B.A.C. 2291	6 53 40·83	84·13	3	+2·4590	+0·0006	0·0000	+0·001	−8·2332	+8·8555	+0·3908	+7·8632
385	1·6	...	ε Canis Majoris	6 53 54·56	77·29	132	+2·3573	+0·0007	0·0000	−0·001	−8·2488	+8·8692	+0·3724	+7·9317
386	5·5	2	t Puppis	6 54 1·43	80·15	3	+2·1972	+0·0007	0·0000	0·000	−8·2734	+8·8929	+0·3419	+8·0204
387	7·5	2	Volantis, L. 2614 ...	6 56 5·84	71·15	3	−0·1947	−0·0101	0·0000	+0·003	−8·6413	+9·2437	−9·2895	+8·6095
388	5·1	1	19 Monocerotis	6 56 57·30	84·15	3	+2·9802	−0·0003	0·0000	−0·001	−8·2159	+8·8114	+0·4742	+7·0666
389	4·3	...	γ Canis Majoris	6 58 19·76	77·67	123	+2·7146	+0·0002	0·0000	−0·002	−8·2409	+8·8257	+0·4337	+7·6666
390	4·8	3	C Puppis	7 0 14·52	77·15	3	+1·9033	+0·0004	0·0000	−0·006	−8·3686	+8·9388	+0·2795	+8·1955
391	5·5	2	Puppis, B.A.C. 2328 ...	7 0 16·48	80·15	3	+1·8497	+0·0003	0·0000	−0·012	−8·3779	+8·9477	+0·2671	+8·2152
392	5·0	...	63 Aurigæ	7 3 23·97	73·65	6	+4·1331	−0·0067	−0·0002	+0·003	−8·3729	+8·8198	+0·6163	−8·1766
393	2·0	...	δ Canis Majoris	7 3 30·73	83·59	4	+2·4395	+0·0006	0·0000	−0·001	−8·3081	+8·8541	+0·3873	+7·9531
394	6·0	2	20 Monocerotis	7 4 16·04	84·16	3	+2·9814	−0·0005	0·0000	+0·006	−8·2671	+8·8077	+0·4744	+7·1161
395	4·7	...	A Puppis	7 4 49·26	82·16	1	+2·0154	+0·0005	0·0000	−0·006	−8·3820	+8·9187	+0·3044	+8·1852
396	5·0	3	E Puppis	7 8 17·30	77·15	3	+1·9886	+0·0004	0·0000	−0·006	−8·4093	+8·9220	+0·2986	+8·2200
397	6·0	2	53 Geminorum	7 8 27·45	78·41	3	+3·7547	−0·0044	−0·0001	−0·002	−8·3472	+8·8587	+0·5746	−8·0203
398	8·6	2	Weisse, VII., 326 ...	7 12 5·58	83·15	3	+3·5650	−0·0034	−0·0001	...	−8·3448	+8·8324	+0·5520	−7·9027
399	5·7	3	Puppis, B.A.C. 2412 ...	7 12 22·76	80·19	3	+2·0757	+0·0005	0·0000	−0·008	−8·4202	+8·9060	+0·3172	+8·2106
400	8·9	3	Arg. +21° 1575 ...	7 12 52·29	83·17	3	+3·5613	−0·0035	−0·0001	...	−8·3490	+8·8316	+0·5516	−7·9045

No. 374. P′ and p′ affected with proper motion s. 0·0000 + 0·1865.
No. 391. „ „ „ + 0·0008 + 0·1274.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
361	61 42 37·28	76·60	3	...	+1·991	+0·2744	−0·0004	...	+8·9520	+8·6726	+0·2991	+9·9978	...	...	...	...	3007
362	113 19 59·17	83·07	1	...	+2·345	+0·1805	−0·0001	−0·01	−9·8986	−8·6657	+0·3701	+9·9970	2313	...	7989	713	3043
363	126 51 22·43	77·15	3	...	+2·394	+0·1499	−0·0001	−0·09	−9·9744	−8·8550	+0·3792	+9·9969	2324	1268	8004	717	3051
364	61 53 10·08	74·90	2	...	+2·413	+0·2732	−0·0005	+0·03	+8·9301	+8·7536	+0·3825	+9·9968	...	...	...	712	3054
365	135 13 11·10	80·12	3	...	+2·518	+0·1250	−0·0001	...	−0·0042	−8·9499	+0·4010	+9·9965	2344	1284	8039	...	3064
366	112 52 14·61	84·12	3	...	+2·620	+0·1811	−0·0001	−0·03	−9·8949	−8·7056	+0·4183	+9·9963	...	...	8065	727	3076
367	73 29 58·54	75·77	30	...	+2·685	+0·2497	−0·0004	+0·03	−9·1288	+8·5801	+0·4290	+9·9961	...	1280	...	...	3087
368	158 51 31·20	71·16	4	...	+2·720	−0·0261	−0·0003	...	−0·0336	−9·1021	+0·4346	+9·9960	...	...	8099	...	...
369	89 23 38·80	84·12	3	...	+3·044	+0·2218	−0·0003	...	−9·6267	+7·2055	+0·4834	+9·9949	...	...	...	...	..
370	138 6 47·55	77·15	3	...	+3·087	+0·1146	−0·0001	+0·02	−0·0108	−9·0592	+0·4896	+9·9948	2402	1321	8227	745	3136
371	60 54 33·91	76·70	3	...	+3·237	+0·2732	−0·0006	+0·01	+9·0030	+8·8947	+0·5101	+9·9943	...	...	...	...	...
372	157 21 47·98	71·16	3	...	+3·248	−0·0072	−0·0003	...	−0·0325	−9·1746	+0·5116	+9·9942	...	...	...	...	...
373	76 58 35·28	83·65	4	...	+3·358	+0·2421	−0·0004	+0·19	−9·3022	+8·5767	+0·5260	+9·9938	...	1327	...	...	3165
374	106 33 11·01	75·72	33	...	+3·470	+0·1918	−0·0002	+1·20	−9·8429	−8·6928	+0·5403	+9·9934	...	1337	8348	755	3176
375	87 27 28·40	84·13	4	...	+3·620	+0·2237	−0·0004	+0·01	−9·5909	+7·9035	+0·5588	+9·9928	...	...	...	...	3194
376	127 38 51·01	80·12	3	...	+3·662	+0·1467	−0·0001	0·00	−9·9750	−9·0474	+0·5637	+9·9926	2447	1345	8421	762	3203
377	137 40 25·82	77·15	3	...	+3·782	+0·1187	−0·0001	...	−0·0078	−9·1443	+0·5777	+9·9921	2469	1361	8464	765	3215
378	126 5 4·17	80·12	3	...	+4·124	+0·1503	−0·0002	+0·02	−9·9671	−9·0833	+0·6154	+9·9906	2493	1382	8577	775	3257
379	101 53 22·26	83·72	5	...	+4·222	+0·1985	−0·0003	0·00	−9·7965	−8·6372	+0·6255	+9·9902	...	...	8614	...	3270
380	170 41 5·22	76·32	16	11	+4·341	−0·3487	−0·0047	−0·05	−0·0144	−9·3296	+0·6376	+9·9896	2648	1435	8667	790	3290
381	109 59 4·28	84·15	3	...	+4·376	+0·1839	−0·0003	−0·04	−9·8700	−8·8726	+0·6411	+9·9894	...	...	8658	...	3292
382	132 12 49·96	77·15	3	...	+4·397	+0·1334	−0·0002	−0·06	−9·9898	−9·1683	+0·6432	+9·9893	2530	1400	8670	782	3295
383	74 17 59·68	83·15	3	...	+4·633	+0·2429	−0·0006	...	−9·1886	+8·7960	+0·6659	+9·9881	...	...	...	...	...
384	115 15 8·05	84·13	3	...	+4·654	+0·1734	−0·0002	−0·01	−9·9071	−8·9957	+0·6679	+9·9880	...	1416	8747	...	3324
385	118 48 34·24	75·93	30	...	+4·674	+0·1661	−0·0002	−0·02	−9·9288	−9·0504	+0·6697	+9·9879	2550	1419	8752	787	3331
386	123 56 57·76	80·15	3	...	+4·683	+0·1548	−0·0002	−0·03	−9·9556	−9·1154	+0·6706	+9·9878	2554	1421	8757	788	3332
387	158 20 44·95	71·15	3	...	+4·860	−0·0148	−0·0005	...	−0·0261	−9·3526	+0·6866	+9·9869	2614	1449	8819	797	3359
388	94 3 59·55	84·15	3	...	+4·933	+0·2096	−0·0004	−0·02	−9·7003	−8·2416	+0·6931	+9·9864	...	...	8838	...	3372
389	105 27 25·08	75·89	30	...	+5·049	+0·1904	−0·0003	0·00	−9·8300	−8·8267	+0·7032	+9·9858	...	...	8880	...	3385
390	132 9 37·48	77·15	3	...	+5·211	+0·1329	−0·0002	−0·08	−9·9867	−9·2416	+0·7169	+9·9848	2607	1462	8935	802	3404
391	133 26 30·16	80·15	3	...	+5·214	+0·1291	−0·0002	−0·37	−9·9908	−9·2523	+0·7171	+9·9848	2608	1464	8936	803	3405
392	50 29 8·82	73·65	6	...	+5·477	+0·2887	−0·0012	−0·02	+9·4430	+9·2400	+0·7385	+9·9832	...	...	...	...	...
393	116 12 12·60	84·13	3	...	+5·487	+0·1699	−0·0003	−0·01	−9·9106	−9·0821	+0·7393	+9·9831	2633	1478	9021	817	3438
394	94 3 2·92	84·16	3	...	+5·550	+0·2077	−0·0005	−0·22	−9·6995	−8·2911	+0·7443	+9·9827	...	...	9044	...	3446
395	129 27 50	...	...	...	+5·597	+0·1400	−0·0002	0·00	−9·9755	−9·2489	+0·7479	+9·9824	2649	1486	9060	821	3453
396	130 17 47·00	77·15	3	...	+5·887	+0·1373	−0·0002	0·00	−9·9773	−9·2784	+0·7699	+9·9804	2672	1504	9152	827	3490
397	61 53 43·40	78·41	3	...	+5·901	+0·2604	−0·0010	0·00	+8·8294	+9·1419	+0·7710	+9·9803	...	...	...	823	...
398	68 49 11·08	83·15	3	...	+6·205	+0·2458	−0·0009	...	−8·7852	+9·0484	+0·7927	+9·9781	...	...	...	...	..
399	128 6 20·10	80·18	4	...	+6·229	+0·1425	−0·0002	−0·02	−9·9675	−9·2825	+0·7944	+9·9780	2713	1534	9270	847	3544
400	68 56 25·40	83·17	3	...	+6·269	+0·2453	−0·0009	...	−8·8032	+9·0505	+0·7972	+9·9777	...	...	...	...	..

No. 370. Double, Companion, 7 mag., N., preceding.

No. 391. Double, Companion, 7 mag., following 1·64 s.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
401	3·3	...	δ Geminorum	7 12 57·32	76·61	93	+3·5906	−0·0036	−0·0001	−0·002	−8·3529	+8·8350	+0·5552	−7·9302
402	5·7	...	29 Canis Majoris	7 13 40·55	84·14	3	+2·4985	+0·0005	0·0000	−0·002	−8·3640	+8·8415	+0·3977	+7·9790
403	6·7	...	Monocerotis, Lal. 14352	7 16 16·77	84·14	3	+2·8778	−0·0004	0·0000	...	−8·3432	+8·8045	+0·4591	+7·5255
404	7·7	3	Mensæ, L. 2936 ...	7 16 37·83	76·10	13	−8·1164	−0·2715	+0·0079	0·000	−9·2902	+9·7493	−0·9094	+9·2874
405	6·0	1	59 Geminorum	7 17 5·43	78·38	3	+3·7396	−0·0050	−0·0001	0·000	−8·3960	+8·8524	+0·5728	−8·0658
406	7·0	4	Canis Majoris, B.A.C. 2443 ..	7 17 35·42	77·19	5	+2·2733	+0·0006	0·0000	−0·004	−8·4185	+8·8718	+0·3567	+8·1470
407	4·0	2	ι Geminorum	7 18 16·34	77·08	5	+3·7431	−0·0051	−0·0001	−0·010	−8·4031	+8·8523	+0·5732	−8·0752
408	3·0	2	η Canis Majoris	7 19 20·85	80·15	3	+2·3733	+0·0006	0·0000	−0·002	−8·4130	+8·8558	+0·3753	+8·0995
409	3·0	...	β Canis Minoris	7 20 38·58	82·85	30	+3·2606	−0·0021	−0·0001	−0·004	−8·3661	+8·8013	+0·5133	−7·5373
410	7·2	3	Geminorum, Lal. 14515	7 21 57·88	83·15	3	+3·4162	−0·0030	−0·0001	...	−8·3838	+8·8113	+0·5335	−7·8067
411	5·0	...	Monocerotis, B.A.C. 2470 ..	7 22 13·18	84·14	3	+2·8219	−0·0003	0·0000	+0·001	−8·3779	+8·8039	+0·4505	+7·6705
412	5·5	2	Puppis, B.A.C. 2484 ...	7 26 2·68	77·19	3	+2·3335	+0·0006	0·0000	+0·002	−8·4538	+8·8582	+0·3680	+8·1620
413	3·3	...	α^1 Geminorum	7 26 56·09	79·22	4	+3·8529	−0·0067	−0·0001	−0·015	−8·4648	+8·8642	+0·5858	−8·1908
414	2·3	...	α^2 Geminorum	7 26 56·54	75·65	69	+3·8529	−0·0067	−0·0001	−0·015	−8·4648	+8·8642	+0·5858	−8·1908
415	4·3	...	υ Geminorum	7 28 31·59	76·71	3	+3·7077	−0·0055	−0·0001	−0·002	−8·4507	+8·8414	+0·5691	−8·1101
416	6·7	2	Octantis, L. 3274 ...	7 28 32·82	75·30	26	−19·2829	−1·3732	+0·0678	+0·041	−9·6572	+0·0478	−1·2852	+9·6565
417	5·0	...	Puppis, Lal. 14810 ...	7 28 54·92	84·14	3	+2·5714	+0·0003	0·0000	...	−8·4347	+8·8233	+0·4102	+8·0090
418	8·0	3	Puppis, O.A. 7038 ...	7 29 2·94	83·16	3	+2·3543	+0·0006	0·0000	...	−8·4654	+8·8533	+0·3719	+8·1661
419	7·0	1	Volantis, L. 2927 ...	7 29 36·38	75·14	3	−1·6526	−0·0455	−0·0002	...	−9·0017	+9·3865	−0·2182	+8·9873
420	5·1	2	25 Monocerotis	7 31 18·73	84·18	3	+2·9895	−0·0010	0·0000	−0·008	−8·4137	+8·7895	+0·4756	+7·2400
421	8·0	2	Volantis	7 31 58·20	75·15	3	−1·5699	−0·0443	−0·0002	...	−9·0070	+9·3793	−0·1959	+8·9922
422	1·0	...	α Canis Minoris	7 33 1·15	78·35	89	+3·1913	−0·0020	0·0000	−0·047	−8·4223	+8·7891	+0·5040	−7·4064
423	6·2	3	ε Puppis	7 34 22·90	77·19	3	+2·1749	+0·0007	0·0000	0·000	−8·5195	+8·8793	+0·3374	+8·2911
424	4·3	2	γ Monocerotis	7 35 30·86	84·18	3	+2·8727	−0·0006	0·0000	−0·007	−8·4369	+8·7908	+0·4583	+7·6440
425	5·5	1	c Geminorum	7 36 47·68	76·71	3	+3·6689	−0·0058	−0·0001	−0·002	−8·4832	+8·8306	+0·5645	−8·1261
426	1·3	...	β Geminorum	7 37 58·28	77·09	99	+3·7278	−0·0064	−0·0001	−0·048	−8·4969	+8·8383	+0·5715	−8·1729
427	7·5	1	Volantis, L. 3027 ...	7 38 54·63	75·14	3	−1·5461	−0·0482	−0·0004	...	−9·0401	+9·3768	−0·1892	+9·0256
428	4·9	2	4 Puppis	7 40 25·34	84·18	3	+2·7644	−0·0002	0·0000	−0·001	−8·4652	+8·7944	+0·4416	+7·8571
429	5·7	3	Puppis, B.A.C. 2588 ...	7 41 53·74	80·19	3	+2·1415	+0·0006	0·0000	...	−8·5588	+8·8808	+0·3307	+8·3447
430	6·2	2	S Puppis	7 43 14·87	77·19	4	+1·7442	−0·0003	0·0000	−0·004	−8·6358	+8·9512	+0·2416	+8·5056
431	4·0	2	ζ Volantis	7 43 17·03	79·30	3	−0·7025	−0·0305	−0·0003	+0·003	−8·9805	+9·2957	−9·8467	+8·9594
432	7·9	3	Geminorum, Lal. 15246	7 43 45·08	83·15	3	+3·3977	−0·0038	−0·0001	...	−8·4801	+8·7931	+0·5312	−7·8972
433	3·3	...	ξ Argus	7 44 14·80	82·75	26	+2·5235	+0·0004	0·0000	−0·001	−8·5079	+8·8185	+0·4020	+8·1266
434	8·0	1	Volantis	7 46 0·40	75·14	3	−1·0891	−0·0404	−0·0004	...	−9·0321	+9·3343	−0·0370	+9·0148
435	5·3	2	9 Puppis	7 46 12·85	84·22	3	+2·7834	−0·0003	0·0000	−0·006	−8·4866	+8·7878	+0·4446	+7·8573
436	5·5	4	Puppis, B.A.C. 2629 ...	7 47 46·80	80·19	4	+2·2561	+0·0007	0·0000	−0·019	−8·5636	+8·8575	+0·3534	+8·3157
437	5·0	2	Velorum, B.A.C. 2642...	7 49 40·71	77·19	4	+1·6926	−0·0006	0·0000	−0·004	−8·6728	+8·9579	+0·2285	+8·5526
438	4·5	1	11 Puppis	7 51 41·95	75·14	3	+2·5816	+0·0004	0·0000	−0·004	−8·5291	+8·8047	+0·4119	+8·1130
439	6·8	3	Puppis, L. 3086 ...	7 52 56·52	75·15	3	+2·0086	+0·0004	0·0000	...	−8·6284	+8·8984	+0·3029	+8·4546
440	5·2	2	N Puppis	7 53 25·14	80·19	3	+1·9446	+0·0003	0·0000	−0·002	−8·6421	+8·9099	+0·2888	+8·4821

		s.	
No. 422.	P′ and p′ affected with proper motion	− 0·0024	+ 0·2058.
No. 426.	,, ,, ,,	− 0·0063	+ 0·2393.
No. 435.	,, ,, ,,	− 0·0005	+ 0·1788.
No. 436.	,, ,, ,,	+ 0·0008	+ 0·1422.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
401	67 47 53·66	75·89	28	...	+6·277	+0·2473	−0·0001	0·00	−8·6316	+9·0729	+0·7977	+9·9776	...	...	...	846	3551
402	114 20 26·09	84·13	3	...	+6·336	+0·1715	−0·0003	0·00	−9·8956	−9·1147	+0·8018	+9·9772	2718	...	9311	852	3560
403	98 45 12·72	84·14	3	...	+6·552	+0·1970	−0·0005	...	−9·7579	−8·6965	+0·8164	+9·9755	...	...	9382	...	3588
404	173 33 35·60	77·05	11	14	+6·581	−0·5604	−0·0161	0·00	−9·9945	−9·5133	+0·8183	+9·9753	2936	1632	9418	877	3591
405	62 7 53·48	78·38	3	...	+6·619	+0·2560	−0·0011	−0·01	+8·7611	+9·1883	+0·8208	+9·9749	...	...	...	...	...
406	122 21 32·96	77·19	5	...	+6·660	+0·1549	−0·0003	...	−9·9402	−9·2498	+0·8235	+9·9746	2763	1570	9423	...	3602
407	61 57 53·69	77·08	5	...	+6·717	+0·2557	−0·0012	+0·07	+8·7775	+9·1971	+0·8271	+9·9742	...	...	...	862	...
408	119 4 9·80	80·15	3	...	+6·805	+0·1613	−0·0004	−0·03	−9·9223	−9·2172	+0·8328	+9·9734	2777	1591	9476	869	3627
409	81 28 12·58	83·58	5	...	+6·912	+0·2217	−0·0008	+0·03	−9·4621	+8·7086	+0·8396	+9·9725	...	...	...	...	3642
410	74 38 47·03	83·15	3	...	+7·020	+0·2318	−0·0009	...	−9·2314	+8·9670	+0·8463	+9·9716	...	...	...	...	...
411	101 18 51·66	84·14	3	...	+7·041	+0·1911	−0·0005	0·00	−9·7847	−8·8381	+0·8476	+9·9714	...	...	9561	...	3653
412	120 42 39·09	77·19	4	...	+7·353	+0·1567	−0·0004	−0·01	−9·9285	−9·2725	+0·8665	+9·9686	2834	1634	9664	886	3689
413	57 51 3·54	79·23	2	...	+7·426	+0·2593	−0·0014	+0·08	+9·1037	+9·2946	+0·8708	+9·9680	...	...	...	884	...
414	57 50 59·95	75·38	24	...	+7·426	+0·2593	−0·0014	+0·08	+9·1037	+9·2946	+0·8708	+9·9680	...	1630	...	885	3696
415	62 50 20·87	76·24	4	...	+7·555	+0·2488	−0·0013	+0·12	+8·5663	+9·2355	+0·8782	+9·9668	...	...	...	887	...
416	176 49 45·87	76·05	22	19	+7·556	−1·3040	−0·0862	+0·05	−9·9772	−9·5754	+0·8783	+9·9667	3274	...	9770	...	3713
417	112 2 16·40	84·14	3	...	+7·586	+0·1719	−0·0005	...	−9·8748	−9·1521	+0·8800	+9·9665	...	...	9733	...	...
418	120 7 43·31	83·16	3	...	+7·597	+0·1572	−0·0004	...	−9·9242	−9·2791	+0·8807	+9·9664	...	...	...	...	...
419	165 20 24·93	75·14	3	...	+7·643	−0·1130	−0·0023	...	−0·0018	−9·5667	+0·8832	+9·9659	2927	...	9760	...	3725
420	93 50 39·42	84·18	3	...	+7·780	+0·1992	−0·0007	−0·03	−9·6943	−8·4151	+0·8910	+9·9646	...	...	9804	...	3745
421	165 9 6·44	75·15	3	...	+7·833	−0·1071	−0·0022	...	−0·0004	−9·5770	+0·8939	+9·9640	...	...	9832	...	...
422	84 28 7·70	76·55	25	...	+7·918	+0·2121	−0·0009	+1·03	−9·5357	+8·5804	+0·8986	+9·9632	...	1666	...	900	3760
423	126 13 25·45	77·19	4	...	+8·027	+0·1436	−0·0004	+0·02	−9·9501	−9·3739	+0·9046	+9·9621	2903	1687	9895	907	3780
424	99 16 21·20	84·18	3	...	+8·118	+0·1898	−0·0006	+0·02	−9·7601	−8·8144	+0·9094	+9·9611	...	...	9933	...	3791
425	63 55 54·84	76·71	3	...	+8·220	+0·2422	−0·0014	+0·04	+8·0451	+9·2556	+0·9149	+9·9601	...	...	...	...	...
426	61 41 7·64	75·99	27	...	+8·314	+0·2455	−0·0014	+0·05	+8·6961	+9·2937	+0·9198	+9·9590	...	1704	...	916	3823
427	165 16 6·87	75·14	3	...	+8·389	−0·1042	−0·0022	...	−9·9951	−9·6070	+0·9237	+9·9582	3027	1747	10040	...	3830
428	104 16 23·05	84·18	3	...	+8·509	+0·1806	−0·0006	−0·01	−9·8087	−9·0195	+0·9299	+9·9569	...	...	10093	...	3854
429	127 38 27·56	80·19	3	...	+8·625	+0·1391	−0·0004	−0·01	−9·9518	−9·4194	+0·9358	+9·9556	2972	1744	10145	...	3877
430	137 49 1·80	77·19	4	...	+8·732	+0·1126	−0·0003	−0·01	−9·9815	−9·5087	+0·9411	+9·9543	2999	1759	10192	940	3899
431	162 19 2·22	79·30	2	1	+8·735	−0·0480	−0·0014	+0·02	−9·9954	−9·6180	+0·9413	+9·9543	3056	...	10203	...	3900
432	74 51 22·81	83·16	3	...	+8·771	+0·2209	−0·0012	...	−9·2645	+9·0579	+0·9431	+9·9539	...	...	...	...	...
433	114 33 33·80	83·62	4	...	+8·810	+0·1634	−0·0006	−0·02	−9·8854	−9·2615	+0·9450	+9·9534	2994	1763	10225	943	3917
434	163 57 34·96	75·14	3	...	+8·948	−0·0730	−0·0018	...	−9·9912	−9·6323	+0·9517	+9·9518	...	...	10292	...	...
435	103 34 49·79	84·22	3	...	+8·965	+0·1796	−0·0007	+0·34	−9·8006	−9·0211	+0·9525	+9·9516	...	...	10289	...	3945
436	124 24 16·74	80·19	4	...	+9·087	+0·1447	−0·0005	−0·25	−9·9353	−9·4083	+0·9584	+9·9501	3035	1797	10335	955	3963
437	139 18 4·78	77·19	4	...	+9·235	+0·1075	−0·0003	+0·02	−9·9804	−9·5430	+0·9654	+9·9482	3069	1813	10390	...	3979
438	112 33 38·87	75·14	3	...	+9·392	+0·1643	−0·0007	−0·01	−9·8690	−9·2545	+0·9727	+9·9462	...	...	10450	965	3997
439	132 5 7·37	75·15	3	...	+9·487	+0·1270	−0·0004	...	−9·9602	−9·5012	+0·9771	+9·9450	3086	...	10485	...	4009
440	133 47 14·44	80·19	3	...	+9·524	+0·1227	−0·0004	−0·03	−9·9648	−9·5167	+0·9788	+9·9445	3089	1831	10496	969	4015

No. 431. Double, Companion, 8 mag., S., following 3·31.
No. 436. Double, Companion, 9 mag., N., preceding 0·15.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
441	5·1	2	27 Monocerotis	7 53 44·43	84·26	3	+3·0034	−0·0014	0·0000	−0·006	−8·5024	−8·7688	+0·4776	+7·2695
442	7·5	1	Puppis, O.A. 7802 ...	7 55 19·24	75·14	3	+2·4944	+0·0005	0·0000	...	−8·5545	+8·8138	+0·3970	+8·2004
443	8·0	3	Puppis, Lal. 15711 ...	7 56 5·88	75·15	3	+2·7715	−0·0002	0·0000	...	−8·5237	+8·7795	+0·4427	+7·9202
444	5·0	...	6 Cancri	7 56 8·78	77·02	77	+3·6972	−0·0074	−0·0001	−0·001	−8·5646	+8·8202	+0·5679	−8·2380
445	7·5	1	Puppis, Lal. 15719 ...	7 56 12·39	75·17	3	+2·6856	+0·0001	0·0000	...	−8·5327	+8·7881	+0·4290	+8·0299
446	8·0	2	Puppis	7 56 36·95	75·23	3	+2·0180	+0·0005	0·0000	...	−8·6411	+8·8946	+0·3049	+8·4673
447	8·0	2	Puppis	7 56 37·21	75·20	3	+2·1471	+0·0007	0·0000	...	−8·6174	+8·8709	+0·3319	+8·4105
448	6·0	2	Puppis, B.A.C. 2689 ...	7 57 41·50	77·20	3	+2·2038	+0·0007	0·0000	−0·013	−8·6113	+8·8600	+0·3432	+8·3879
449	7·5	2	Puppis	7 57 44·27	75·14	3	+2·3455	+0·0007	0·0000	...	−8·5868	+8·8353	+0·3702	+8·3107
450	6·3	3	Puppis, B.A.C. 2699 ...	7 58 23·04	75·27	3	+2·3423	+0·0007	0·0000	−0·005	−8·5897	+8·8354	+0·3696	+8·3155
451	7·0	2	Puppis	7 58 34·60	75·27	3	+2·2662	+0·0008	0·0000	...	−8·6035	+8·8483	+0·3553	+8·3594
452	5·8	3	Puppis, B.A.C. 2701 ...	7 58 37·12	80·21	3	+2·0633	+0·0006	0·0000	−0·011	−8·6404	+8·8850	+0·3146	+8·4571
453	8·0	1	Puppis, O.A. 7904 ...	7 58 50·94	75·17	3	+2·4265	+0·0007	0·0000	...	−8·5776	+8·8212	+0·3850	+8·2643
454	9·0	3	Arg. + 14° 1822 ...	7 59 23·47	83·17	3	+3·3742	−0·0042	−0·0001	...	−8·5351	+8·7763	+0·5282	−7·9364
455	8·5	3	Volantis	7 59 31·21	75·10	4	−0·7530	−0·0376	−0·0005	...	−9·0589	+9·2995	−9·8768	+9·0398
456	6·2	3	Velorum, B.A.C. 2716 ...	8 0 2·49	75·26	3	+1·7330	−0·0005	0·0000	−0·013	−8·7075	+8·9458	+0·2388	+8·5863
457	7·5	2	Puppis	8 0 6·93	75·14	3	+2·2751	+0·0008	0·0000	...	−8·6076	+8·8456	+0·3570	+8·3613
458	9·0	2	Volantis	8 0 35·06	75·25	3	−0·6994	−0·0367	−0·0005	...	−9·0578	+9·2938	−9·8447	+9·0383
459	7·0	1	Volantis, L. 3188 ...	8 0 43·74	75·21	2	−0·6863	−0·0364	−0·0005	...	−9·0571	+9·2924	−9·8365	+9·0374
460	8·5	1	Carinæ	8 1 2·98	75·16	3	+1·2818	−0·0034	0·0000	...	−8·7923	+9·0263	+0·1078	+8·7168
461	8·5	3	Cancri, Lal. 15874 ...	8 1 19·49	83·17	3	+3·3750	−0·0043	−0·0001	...	−8·5416	+8·7744	+0·5283	−7·9460
462	3·0	...	15 Argus	8 2 25·99	77·59	124	+2·5610	+0·0005	0·0000	−0·007	−8·5699	+8·7979	+0·4084	+8·1785
463	7·0	2	Puppis	8 3 0·66	75·14	3	+1·9036	+0·0002	0·0000	...	−8·6869	+8·9123	+0·2796	+8·5400
464	6·2	4	ψ^2 Cancri	8 3 13·43	77·63	4	+3·6292	−0·0071	−0·0001	−0·006	−8·5791	+8·8037	+0·5598	−8·2190
465	7·2	2	Volantis, L. 3202 ...	8 3 38·95	75·18	3	+0·1465	−0·0190	−0·0002	...	−8·9724	+9·1951	+9·1658	+8·9413
466	8·8	3	Velorum	8 4 52·60	75·15	3	+1·5849	−0·0013	0·0000	...	−8·7536	+8·9710	+0·2000	+8·6528
467	7·5	2	Carinæ	8 5 17·60	75·22	3	+1·3622	−0·0028	0·0000	...	−8·7952	+9·0109	+0·1342	+8·7151
468	5·7	...	Velorum, B.A.C. 2752 ...	8 5 34·83	75·25	3	+1·7901	−0·0002	0·0000	...	−8·7180	+8·9325	+0·2529	+8·5913
469	5·5	2	Velorum, L. 3180 ...	8 5 38·45	75·27	3	+1·9793	+0·0004	0·0000	...	−8·6823	+8·8965	+0·2965	+8·5222
470	6·0	3	K^1 Puppis	8 5 43·49	77·21	4	+2·0348	+0·0006	0·0000	−0·002	−8·6721	+8·8859	+0·3085	+8·5000
471	7·0	3	K^2 Puppis	8 5 43·98	77·21	3	+2·0348	+0·0006	0·0000	...	−8·6721	+8·8859	+0·3085	+8·5000
472	9·0	1	Volantis	8 5 50·91	75·17	3	−0·2092	−0·0267	−0·0004	...	−9·0253	+9·2386	−9·3206	+9·0006
473	6·8	3	Carinæ, L. 3211 ...	8 6 9·18	75·26	3	+1·0398	−0·0060	−0·0001	...	−8·8531	+9·0652	+0·0170	+8·7938
474	6·5	2	Velorum, L. 3193 ...	8 6 14·07	75·14	3	+1·6407	−0·0010	0·0000	...	−8·7485	+8·9602	+0·2150	+8·6420
475	6·5	1	Carinæ, L. 3220 ...	8 7 11·36	75·12	4	+1·1672	−0·0047	−0·0001	...	−8·8362	+9·0438	+0·0672	+8·7701
476	7·2	3	Octantis, B.A.C. 2878 ...	8 7 13·32	74·76	42	−40·8343	−8·3832	−0·3198	−0·012	−0·1330	+0·3405	−1·6110	+0·1329
477	5·3	3	Puppis, B.A.C. 2767 ...	8 7 22·53	80·24	3	+2·0269	+0·0006	0·0000	−0·007	−8·6795	+8·8863	+0·3068	+8·5102
478	5·3	2	20 Puppis	8 7 48·94	84·22	3	+2·7593	−0·0002	0·0000	−0·002	−8·5635	+8·7685	+0·4408	+7·9884
479	7·5	1	Volantis, L. 3254 ...	8 8 38·45	75·20	3	+0·1790	−0·0087	−0·0003	...	−8·9886	+9·1901	+9·2528	+8·9577
480	8·7	2	Carinæ	8 8 54·06	75·14	3	+1·5479	−0·0016	0·0000	...	−8·7757	+8·9761	+0·1897	+8·6805

No. 464. P′ and p′ affected with proper motion $-\overset{s.}{0}\overset{''}{\cdot}0073 + 0\overset{''}{\cdot}2244$.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
441	93 21 13·00	84·26	3	...	+ 9·549	+0·1905	−0·0009	−0·02	−9·6854	−8·4449	+0·9800	+9·9442	...	...	10500	...	4018
442	116 15 45·94	75·14	3	...	+ 9·670	+0·1572	−0·0006	...	−9·8903	−9·3291	+0·9854	+9·9425	...	...	10552	...	...
443	104 25 43·93	75·15	3	...	+ 9·730	+0·1746	−0·0007	...	−9·8049	−9·0824	+0·9881	+9·9417	...	...	10574	...	..
444	61 52 14·51	76·57	24	...	+ 9·734	+0·2336	−0·0016	+0·05	+8·4711	+9·3595	+0·9883	+9·9417	...	...	...	973	4052
445	108 18 33·49	75·17	3	...	+ 9·738	+0·1691	−0·0007	...	−9·8367	−9·1834	+0·9885	+9·9416	...	...	10581	...	...
446	132 5 3·04	75·20	3	...	+ 9·769	+0·1264	−0·0004	...	−9·9578	−9·5139	+0·9899	+9·9412	...	...	10602	...	...
447	128 23 37·64	75·23	3	...	+ 9·770	+0·1346	−0·0004	...	−9·9457	−9·4808	+0·9899	+9·9412	...	...	10601	...	...
448	126 42 59·72	77·19	3	...	+ 9·852	+0·1378	−0·0005	−0·02	−9·9388	−9·4679	+0·9935	+9·9400	3121	1861	10642	...	4076
449	121 58 25·10	75·14	3	...	+ 9·855	+0·1468	−0·0005	...	−9·9187	−9·4153	+0·9937	+9·9400	...	...	10643	...	...
450	122 7 39·55	75·27	3	...	+ 9·904	+0·1467	−0·0005	+0·02	−9·9190	−9·4194	+0·9958	+9·9393	3124	1866	10661	...	4082
451	124 45 4·92	75·26	3	...	+ 9·919	+0·1414	−0·0004	...	−9·9304	−9·4501	+0·9965	+9·9391	...	...	10665	...	...
452	130 58 26·96	80·21	3	...	+ 9·922	+0·1286	−0·0004	−0·05	−9·9530	−9·5111	+0·9966	+9·9390	3128	1872	10668	...	4086
453	119 4 53·85	75·17	3	...	+ 9·940	+0·1515	−0·0005	...	−9·9038	−9·3819	+0·9974	+9·9388	...	...	10676	...	...
454	75 24 28·75	83·17	3	...	+ 9·981	+0·2112	−0·0013	...	−9·3040	+9·0983	+0·9992	+9·9382	...	...	...	...	...
455	163 8 29·64	75·10	3	1	+ 9·991	−0·0497	−0·0017	...	−9·9803	−9·6783	+0·9996	+9·9380	...	...	10703	...	...
456	139 9 38·63	75·26	3	...	+10·030	+0·1072	−0·0003	0·00	−9·9726	−9·5779	+1·0013	+9·9375	3148	1885	10705	...	4102
457	124 33 27·69	75·14	3	...	+10·036	+0·1414	−0·0005	...	−9·9286	−9·4531	+1·0015	+9·9374	...	...	10706	...	...
458	162 57 30·16	75·25	3	...	+10·071	−0·0462	−0·0016	...	−9·9795	−9·6814	+1·0031	+9·9369	...	...	10725	...	...
459	162 54 30·49	75·21	2	...	+10·082	−0·0454	−0·0016	...	−9·9794	−9·6817	+1·0035	+9·9367	3188	1900	10727	...	4106
460	147 10 51·80	75·16	3	...	+10·106	+0·0786	−0·0003	...	−9·9827	−9·6269	+1·0046	+9·9364	...	...	10729	...	...
461	75 18 8·18	83·17	3	...	+10·127	+0·2102	−0·0013	...	−9·3025	+9·1076	+1·0055	+9·9361	...	...	...	...	...
462	113 57 32·85	74·88	36	...	+10·211	+0·1585	−0·0006	−0·06	−9·8727	−9·3155	+1·0091	+9·9348	3153	1892	10763	987	4127
463	135 29 16·36	75·14	3	...	+10·254	+0·1171	−0·0004	...	−9·9624	−9·5619	+1·0109	+9·9342	...	...	10774	...	...
464	64 7 46·35	78·82	3	...	+10·270	+0·2251	−0·0016	+0·37	−8·1933	+9·3492	+1·0116	+9·9339	...	...	...	...	4134
465	158 35 35·57	75·18	4	...	+10·302	+0·0070	−0·0009	...	−9·9810	−9·6797	+1·0129	+9·9335	3202	...	10802	...	4138
466	142 27 6·06	75·15	3	...	+10·394	+0·0966	−0·0004	...	−9·9742	−9·6138	+1·0168	+9·9321	...	...	10833	...	...
467	146 15 51·87	75·22	3	...	+10·425	+0·0826	−0·0004	...	−9·9783	−9·6358	+1·0181	+9·9316	...	...	10846	...	...
468	138 19 53·80	75·25	3	...	+10·447	+0·1091	−0·0003	...	−9·9666	−9·5901	+1·0190	+9·9312	3181	1913	10853	...	4158
469	133 46 8·67	75·27	3	...	+10·451	+0·1210	−0·0004	....	−9·9560	−9·5569	+1·0192	+9·9312	3180	...	10856	...	4160
470	132 17 14·67	77·21	4	...	+10·458	+0·1243	−0·0004	+0·01	−9·9519	−9·5452	+1·0194	+9·9311	3179	1914	10859	992	4161
471	132 17 13·41	77·23	2	...	+10·458	+0·1243	−0·0004	...	−9·9519	−9·5452	+1·0195	+9·9311	...	...	10860	...	...
472	160 50 12·71	75·17	3	...	+10·467	−0·0152	−0·0010	...	−9·9769	−9·6929	+1·0198	+9·9309	...	...	...	...	...
473	150 43 28·27	75·26	3	...	+10·490	+0·0623	−0·0004	...	−9·9803	−9·6592	+1·0208	+9·9306	3211	...	10877	...	4168
474	141 29 23·78	75·14	3	...	+10·496	+0·0997	−0·0004	...	−9·9717	−9·6123	+1·0210	+9·9305	3193	...	10879	...	4170
475	149 11 11·71	75·23	3	...	+10·567	+0·0701	−0·0003	...	−9·9787	−9·6556	+1·0239	+9·9294	3220	...	10908	...	4190
476	178 31 4·05	75·95	24	16	+10·570	−2·5326	−0·5009	−0·01	−9·9349	−9·7217	+1·0241	+9·9293	3911	2298	11013	1061	4191
477	132 37 45·69	80·21	3	...	+10·581	+0·1232	−0·0004	−0·02	−9·9516	−9·5531	+1·0245	+9·9292	3197	1929	10913	1000	4192
478	105 25 38·97	84·22	3	...	+10·613	+0·1684	−0·0007	+0·01	−9·8088	−9·1486	+1·0258	+9·9286	...	...	10925	...	4200
479	158 38 9·24	75·20	3	...	+10·675	+0·1082	−0·0008	...	−9·9761	−9·6952	+1·0283	+9·9277	3254	1947	10956	...	4208
480	143 25 39·60	75·14	3	...	+10·694	+0·0932	−0·0004	...	−9·9722	−9·6317	+1·0291	+9·9273	...	...	10962	...	...

s.

No. 452. Double, Companion, 8½ mag., N., preceding 0·7.
No. 473. Double, Companion, 8½ mag., following.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
481	8·5	1	Carinæ	8 9 9·22	75·16	3	+1·3924	−0·0027	0·0000	...	−8·8048	+9·0042	+0·1438	+8·7237
482	3·6	...	β Cancri	8 10 0·42	78·27	73	+3·3621	−0·0036	0·0000	−0·004	−8·5602	+8·7560	+0·5135	−7·7803
483	8·0	3	Carinæ, L. 3253 ...	8 11 43·05	75·15	3	+1·3841	−0·0029	0·0000	...	−8·8160	+9·0047	+0·1412	+8·7366
484	7·7	5	Volantis	8 11 54·25	73·43	7	+0·0905	−0·0217	−0·0003	...	−9·0131	+9·2010	+8·9568	+8·9844
485	7·5	2	Carinæ, L. 3264 ...	8 12 3·95	75·23	3	+1·0435	−0·0063	−0·0001	...	−8·8757	+9·0629	+0·0185	+8·8178
486	8·5	1	Carinæ	8 12 5·82	75·17	3	+0·9581	−0·0073	−0·0001	...	−8·8897	+9·0767	+9·9814	+8·8359
487	9·5	2	Carinæ	8 12 16·58	75·25	3	+1·2467	−0·0041	−0·0001	...	−8·8423	+9·0286	+0·0958	+8·7729
488	6·3	2	Puppis, Lal. 16304 ...	8 12 42·20	84·23	3	+2·8298	−0·0005	0·0000	...	−8·5720	+8·7566	+0·4518	+7·8979
489	8·0	3	Volantis	8 14 38·02	71·24	3	+0·1348	−0·0213	−0·0003	...	−9·0183	+9·1949	+9·1296	+8·9892
490	7·5	3	Carinæ	8 14 40·40	75·15	3	+1·1313	−0·0054	−0·0001	...	−8·8711	+9·0475	+0·0536	+8·8094
491	6·5	1	Carinæ, L. 3296 ...	8 15 17·11	75·21	3	+0·8137	−0·0095	−0·0001	...	−8·9247	+9·0987	+9·9105	+8·8777
492	9·0	1	Volantis	8 16 7·10	75·17	3	+0·4655	−0·0152	−0·0002	...	−8·9794	+9·1500	+9·6680	+8·9434
493	5·2	2	ω Puppis	8 16 39·39	80·21	3	+2·3629	+0·0010	0·0000	−0·002	−8·6481	+8·8164	+0·3734	+8·3804
494	8·5	1	Carinæ	8 17 26·13	75·20	3	+1·1976	−0·0048	−0·0001	...	−8·8702	+9·0353	+0·0783	+8·8056
495	8·7	3	Carinæ	8 17 35·64	75·15	3	+0·7175	−0·0112	−0·0001	...	−8·9483	+9·1128	+9·8558	+8·9052
496	4·2	1	Hydræ, B.A.C. 2825 ...	8 19 39·83	84·23	3	+3·0050	−0·0016	0·0000	−0·005	−8·5824	+8·7385	+0·4778	+7·3700
497	9·0	2	Volantis	8 19 57·46	75·15	3	+0·5714	−0·0138	−0·0002	...	−8·9791	+9·1340	+9·7569	+8·9410
498	2·5	3	ε Argus	8 20 2·95	73·87	11	+1·2410	−0·0045	−0·0001	−0·003	−8·8724	+9·0269	+0·0938	+8·8060
499	6·0	3	Puppis, B.A.C. 2834 ...	8 20 48·07	77·23	3	+2·0755	+0·0009	0·0000	−0·008	−8·7162	+8·8677	+0·3171	+8·5449
500	6·5	2	v^2 Cancri	8 21 29·76	78·47	3	+3·5701	−0·0075	0·0000	−0·004	−8·6276	+8·7764	+0·5527	−8·2461
501	4·0	4	α Chamæleontis	8 21 36·01	79·30	10	−1·4807	−0·0721	−0·0013	+0·027	−9·2199	+9·3682	−0·1705	+9·2078
502	4·6	4	θ Chamæleontis	8 24 12·76	78·80	12	−1·6457	−0·0806	−0·0016	−0·044	−9·2448	+9·3827	−0·2163	+9·2336
503	6·0	...	v^3 Cancri	8 24 24·69	76·78	3	+3·5643	−0·0075	0·0000	−0·007	−8·6351	+8·7722	+0·5520	−8·2526
504	5·8	...	η Cancri	8 25 46·06	76·78	101	+3·4819	−0·0065	0·0000	−0·004	−8·6271	+8·7588	+0·5418	−8·1784
505	6·5	2	32 Cancri	8 25 54·43	78·46	3	+3·5621	−0·0076	0·0000	−0·006	−8·6390	+8·7702	+0·5517	−8·2566
506	5·7	3	Monocerotis, B.A.C. 2868 ..	8 26 7·31	84·23	3	+2·6988	+0·0003	0·0000	−0·004	−8·6234	+8·7537	+0·4312	+8·1398
507	6·0	4	Mali, B.A.C. 2883 ...	8 28 10·36	77·23	5	+2·4281	+0·0011	0·0000	−0·090	−8·6713	+8·7935	+0·3853	+8·3846
508	6·3	2	3 Hydræ	8 29 36·82	84·21	3	+2·9312	−0·0011	0·0000	−0·003	−8·6112	+8·7277	+0·4670	+7·7309
509	5·5	1	C Velorum	8 31 3·67	80·24	3	+1·8335	+0·0001	0·0000	−0·005	−8·7987	+8·9096	+0·2633	+8·6800
510	6·0	3	Chamæleontis, B.A.C. 2928..	8 31 22·71	74·94	29	−3·2497	−0·1718	−0·0044	−0·057	−9·3950	+9·5046	−0·5118	+9·3891
511	5·7	2	6 Hydræ	8 34 20·36	84·23	3	+2·8492	−0·0005	0·0000	−0·007	−8·6285	+8·7266	+0·4547	+7·9483
512	5·0	1	Velorum, B.A.C. 2941	8 35 54·91	80·24	3	+2·2052	+0·0014	0·0000	−0·005	−8·7373	+8·8293	+0·3435	+8·5439
513	4·3	...	γ Cancri	8 36 20·35	83·01	16	+3·4895	−0·0071	0·0000	−0·008	−8·6561	+8·7464	+0·5428	−8·2278
514	5·2	5	Velorum, B.A.C. 2946	8 36 29·78	77·23	5	+2·0437	+0·0011	0·0000	−0·005	−8·7727	+8·8624	+0·3104	+8·6204
515	3·3	...	ε Hydræ	8 40 25·25	77·27	129	+3·1953	−0·0035	0·0000	−0·013	−8·6360	+8·7106	+0·5045	−7·7131
516	5·5	2	Hydræ, B.A.C. 2976 ...	8 41 9·97	84·29	3	+3·0464	−0·0020	0·0000	−0·005	−8·6347	+8·7064	+0·4838	+7·0404
517	6·5	2	Hydræ, Lal. 17333 ...	8 41 17·25	84·23	3	+2·7349	+0·0003	0·0000	...	−8·6575	+8·7287	+0·4369	+8·1548
518	2·5	3	δ Argus	8 41 23·34	74·05	10	+1·6560	−0·0009	0·0000	0·000	−8·8687	+8·9395	+0·2190	+8·7781
519	6·2	2	Mali, B.A.C. 2980 ...	8 42 3·23	80·26	3	+2·3820	+0·0015	0·0000	−0·008	−8·7189	+8·7872	+0·3769	+8·4686
520	5·5	5	Velorum, B.A.C. 2992	8 43 14·53	77·23	5	+2·0349	+0·0012	0·0000	−0·002	−8·7952	+8·8589	+0·3085	+8·6500

No. 502. P′ and p′ affected with proper motion s. − 0·0813 − 0·1047.
No. 507. „ „ „ + 0·0015 + 0·1333.
No. 510. „ „ „ − 0·1704 − 0·1963.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
481	146 4 3·88	75·16	3	...	+10·712	+0·0836	−0·0004	...	−9·9748	−9·6466	+1·0299	+9·9270	...	...	10968	...	...
482	80 26 44·67	76·87	22	...	+10·776	+0·1983	−0·0012	+0·04	−9·4592	+8·9503	+1·0324	+9·9260	...	...	...	...	4226
483	146 23 20·81	75·15	3	...	+10·901	+0·0823	−0·0004	...	−9·9727	−9·6558	+1·0375	+9·9239	3227	...	11040	...	4239
484	159 23 12·79	73·43	6	1	+10·915	+0·0032	−0·0009	...	−9·9722	−9·7071	+1·0380	+9·9237	...	...	11048	...	...
485	151 4 36·28	75·23	3	...	+10·927	+0·0614	−0·0004	...	−9·9749	−9·6784	+1·0385	+9·9235	3264	...	11052	...	4244
486	152 4 7·40	75·17	3	...	+10·929	+0·0562	−0·0004	...	−9·9750	−9·6826	+1·0386	+9·9235	...	...	11058	...	...
487	148 27 48·52	75·25	3	...	+10·942	+0·0738	−0·0003	...	−9·9737	−9·6675	+1·0391	+9·9232	...	...	11063	...	...
488	102 13 38·38	84·23	3	...	+10·974	+0·1703	−0·0008	...	−9·7791	−9·0640	+1·0403	+9·9227	...	...	11070	...	...
489	159 15 8·27	71·24	3	...	+11·115	+0·0058	−0·0009	...	−9·9694	−9·7146	+1·0459	+9·9203	...	...	11129	...	...
490	150 10 37·20	75·15	3	...	+11·118	+0·0662	−0·0004	...	−9·9721	−9·6821	+1·0460	+9·9203	...	...	11127	...	...
491	153 48 49·36	75·21	3	...	+11·162	+0·0469	−0·0006	...	−9·9717	−9·6985	+1·0477	+9·9195	3296	...	11153	...	4279
492	156 58 23·10	75·17	3	...	+11·223	+0·0257	−0·0008	...	−9·9696	−9·7118	+1·0501	+9·9184	...	...	11180	...	...
493	122 40 23·34	80·21	3	...	+11·262	+0·1401	−0·0005	−0·06	−9·9095	−9·4817	+1·0516	+9·9177	3277	1979	11191	1018	4293
494	149 30 50·51	75·20	3	...	+11·318	+0·0696	−0·0004	...	−9·9692	−9·6870	+1·0538	+9·9167	...	...	11215	...	...
495	154 53 56·22	75·15	3	...	+11·329	+0·0407	−0·0005	...	−9·9691	−9·7089	+1·0542	+9·9165	...	...	11220	...	...
496	193 30 57·12	84·23	3	...	+11·478	+0·1772	−0·0010	0·00	−9·6842	−8·5453	+1·0599	+9·9138	...	...	11266	1027	4333
497	156 20 56·92	75·15	3	...	+11·500	+0·0317	−0·0007	...	−9·9659	−9·7204	+1·0607	+9·9134	...	...	11283	...	...
498	149 7 24·74	73·92	7	6	+11·506	+0·0716	−0·0004	−0·02	−9·9664	−9·6924	+1·0609	+9·9133	3327	2012	11285	1031	4336
499	132 22 46·57	77·23	4	...	+11·560	+0·1211	−0·0005	−0·04	−9·9402	−9·5894	+1·0629	+9·9123	3318	2013	11303	...	4345
500	65 27 27·93	78·44	3	...	+11·609	+0·2097	−0·0017	+0·08	−8·7480	+9·3810	+1·0648	+9·9114	...	...	...	...	...
501	166 32 23·00	79·29	2	1	+11·617	−0·0905	−0·0030	−0·12	−9·9512	−9·7508	+1·0651	+9·9112	3400	2048	11334	1038	4351
502	167 5 47·49	78·54	3	1	+11·802	−0·0995	−0·0034	−0·04	−9·9469	−9·7586	+1·0720	+9·9077	3435	2073	11405	1047	4389
503	65 30 54·69	76·78	3	...	+11·817	+0·2074	−0·0017	+0·08	−8·7781	+9·3878	+1·0725	+9·9074	...	...	...	...	4396
504	69 9 8·40	75·40	32	...	+11·912	+0·2017	−0·0016	+0·05	−9·0762	+9·3251	+1·0760	+9·9055	...	...	...	1040	4411
505	65 30 28·52	78·47	3	...	+11·922	+0·2063	−0·0017	+0·06	−8·7887	+9·3917	+1·0763	+9·9053	...	...	...	...	...
506	109 10 22·47	84·22	3	...	+11·937	+0·1556	−0·0008	0·00	−9·8285	−9·2911	+1·0769	+9·9050	...	...	11445	1044	4418
507	121 7 8·66	77·15	5	...	+12·081	+0·1387	−0·0006	−0·70	−9·8943	−9·4932	+1·0821	+9·9021	3386	2076	11499	...	4443
508	97 34 12·06	84·21	3	...	+12·181	+0·1672	−0·0010	−0·03	−9·7281	−8·9032	+1·0857	+9·9000	...	...	11543	...	4468
509	139 31 52·76	80·24	3	...	+12·282	+0·1030	−0·0004	−0·02	−9·9460	−9·6683	+1·0893	+9·8979	3428	2099	11583	1054	4484
510	170 31 10·83	76·63	18	10	+12·304	−0·1897	−0·0077	−0·18	−9·9296	−9·7819	+1·0900	+9·8974	3537	2136	11598	...	4486
511	102 3 7·24	84·23	3	...	+12·507	+0·1597	−0·0010	−0·01	−9·7690	−9·1147	+1·0972	+9·8930	...	...	11678	1062	4525
512	129 50 19·00	80·23	3	...	+12·614	+0·1223	−0·0005	+0·02	−9·9197	−9·6053	+1·1009	+9·8906	3463	2132	11727	1067	4539
513	68 6 3·62	83·74	4	...	+12·643	+0·1948	−0·0017	+0·04	−9·0533	+9·3713	+1·1019	+9·8900	...	...	...	1065	4546
514	134 45 52·97	77·23	5	...	+12·654	+0·1129	−0·0004	−0·03	−9·9316	−9·6477	+1·1022	+9·8897	3468	2140	11750	...	4548
515	83 8 31·28	75·48	27	...	+12·919	+0·1754	−0·0013	+0·02	−9·5307	+8·8861	+1·1112	+9·8836	...	...	...	1081	4610
516	91 27 29·64	84·29	3	...	+12·969	+0·1666	−0·0012	0·00	−9·6562	−8·2163	+1·1129	+9·8824	...	...	11876	...	4621
517	108 19 8·59	84·23	3	...	+12·977	+0·1492	−0·0009	...	−9·8139	−9·3083	+1·1132	+9·8822	...	...	11881	...	...
518	144 16 10·15	73·75	6	...	+12·983	+0·0892	−0·0003	+0·11	−9·9405	−9·7206	+1·1134	+9·8820	3532	2194	11887	1086	4627
519	124 11 1·26	80·26	3	...	+13·027	+0·1292	−0·0005	−0·07	−9·8955	−9·5623	+1·1149	+9·8810	3521	2193	11902	...	4635
520	135 42 50·36	77·23	5	...	+13·107	+0·1095	−0·0004	...	−9·9267	−9·6701	+1·1175	+9·8790	3542	2212	11945	...	4659

No. 512. Double, Companion, 9 mag., N., following.

No. 518. Four observations S.P. of this star for the mean year 74·51 make the N.P.D. 144 16 2·53.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
521	6·5	6	Octantis, L. 3759 ...	8 43 32·29	76·16	31	−11·9532	−1·2751	−0·0777	−0·020	−9·8130	+9·8756	−1·0775	+9·8120
522	6·0	...	15 Hydræ	8 45 40·40	84·26	3	+2·9541	−0·0012	0·0000	−0·006	−8·6475	+8·7019	+0·4704	+7·7163
523	6·0	3	Velorum, B.A.C. 3024	8 47 28·82	80·26	3	+2·2210	+0·0017	0·0000	−0·010	−8·7675	+8·8151	+0·3465	+8·5804
524	5·0	4	Velorum, B.A.C. 3045	8 49 48·96	77·23	5	+2·0122	+0·0013	0·0000	−0·005	−8·8200	+8·8586	+0·3037	+8·6845
525	3·0	...	ι Ursæ Majoris	8 50 59·12	74·84	10	+4·1825	−0·0223	0·0000	−0·044	−8·8345	+8·8687	+0·6214	−8·7090
526	4·0	...	α Cancri	8 51 55·38	77·32	57	+3·2860	−0·0049	0·0000	+0·001	−8·6677	+8·6983	+0·5167	−7·9968
527	4·0	...	10 Ursæ Majoris	8 52 50·79	73·76	6	+3·9576	−0·0171	0·0000	−0·040	−8·7901	+8·8172	+0·5974	−8·6178
528	6·0	...	Hydræ, B.A.C. 3065 ...	8 53 6·04	84·26	3	+2·7992	+0·0001	0·0000	+0·010	−8·6764	+8·7025	+0·4470	+8·1080
529	5·0	1	Velorum, B.A.C. 3081	8 55 36·57	80·26	3	+2·2412	+0·0020	0·0000	−0·008	−8·7857	+8·8024	+0·3505	+8·6008
530	6·0	4	Velorum, B.A.C. 3094	8 57 30·45	77·23	4	+2·3004	+0·0021	0·0000	0·000	−8·7777	+8·7871	+0·3618	+8·5759
531	4·0	1	α Volantis	9 0 32·95	73·99	10	+0·9624	−0·0107	−0·0002	0·000	−9·0637	+9·0616	+9·9834	+9·0242
532	5·0	...	κ Cancri	9 1 14·81	78·31	106	+3·2576	−0·0047	0·0000	−0·001	−8·6840	+8·6793	+0·5129	−7·9704
533	5·5	2	ξ Cancri	9 2 27·46	78·86	3	+3·4603	−0·0079	0·0000	−0·001	−8·7125	+8·7032	+0·5391	−8·2959
534	5·8	1	19 Hydræ	9 2 49·72	84·25	3	+2·9394	−0·0009	0·0000	−0·003	−8·6830	+8·6723	+0·4683	+7·8322
535	9·3	3	Arg. + 13° 2050 ...	9 4 14·60	83·24	3	+3·2872	−0·0052	0·0000	...	−8·6926	+8·6765	+0·5168	−8·0461
536	6·1	1	Hydræ, Lal. 18189 ...	9 6 28·90	84·22	3	+2·7515	+0·0008	0·0000	...	−8·7103	+8·6858	+0·4396	+8·2286
537	5·0	4	Velorum, B.A.C. 3142	9 6 43·09	77·23	4	+2·1748	+0·0023	+0·0001	−0·003	−8·8316	+8·8061	+0·3374	+8·6763
538	4·1	2	θ Hydræ	9 8 7·22	84·27	3	+3·1172	−0·0029	0·0000	+0·008	−8·6888	+8·6580	+0·4938	−7·3807
539	5·7	2	h^1 Velorum	9 10 9·99	80·25	3	+2·3897	+0·0025	+0·0001	−0·001	−8·7901	+8·7515	+0·3783	+8·5706
540	1·5	2	β Argus	9 11 52·69	80·33	5	+0·7131	−0·0174	−0·0004	−0·029	−9·1449	+9·0998	+9·8532	+9·1157
541	5·8	...	83 Cancri	9 12 16·93	76·34	80	+3·3663	−0·0067	0·0000	−0·009	−8·7178	+8·6711	+0·5271	−8·2127
542	7·0	3	Mali, Yarnall 3908 ...	9 13 45·27	81·35	3	+2·4832	+0·0024	+0·0001	...	−8·7773	+8·7250	+0·3950	+8·5202
543	5·4	...	ζ Octantis	9 13 48·59	74·13	39	−7·4439	−0·7749	−0·0545	−0·092	−9·7736	+9·7212	−0·8718	+9·7721
544	2·0	...	ι Argus	9 13 52·61	75·60	27	+1·6103	−0·0011	0·0000	−0·005	−8·9835	+8·9307	+0·2069	+8·9155
545	6·0	4	Mali, B.A.C. 3190 ...	9 14 49·32	77·27	4	+2·4862	+0·0025	+0·0001	...	−8·7791	+8·7228	+0·3955	+8·5221
546	6·2	2	Velorum, B.A.C. 3193	9 15 40·43	80·27	3	+2·4086	+0·0027	+0·0001	−0·008	−8·7992	+8·7396	+0·3818	+8·5794
547	5·0	3	h Mali	9 16 10·83	84·26	3	+2·6552	+0·0017	+0·0001	−0·003	−8·7463	+8·6848	+0·4241	+8·3796
548	2·0	...	α Hydræ	9 21 41·42	77·87	163	+2·9505	−0·0007	0·0000	−0·002	−8·7152	+8·6325	+0·4699	+7·8662
549	6·2	2	Velorum, B.A.C. 3230	9 21 44·93	80·27	3	+2·3583	+0·0031	+0·0001	−0·005	−8·8265	+8·7436	+0·3726	+8·6345
550	8·7	3	Mali	9 23 5·09	83·24	3	+2·6641	+0·0020	+0·0001	...	−8·7585	+8·6704	+0·4255	+8·3968
551	5·0	4	ε Antliæ	9 24 17·51	77·27	4	+2·4747	+0·0030	+0·0001	−0·007	−8·8038	+8·7110	+0·3935	+8·5670
552	4·7	...	λ Leonis	9 24 52·40	76·77	3	+3·4364	−0·0086	0·0000	−0·002	−8·7533	+8·6583	+0·5361	−8·3540
553	5·2	1	τ^2 Hydræ	9 25 51·83	84·29	3	+3·0628	−0·0021	0·0000	−0·001	−8·7173	+8·6184	+0·4861	+6·7762
554	5·5	3	Velorum, B.A.C. 3267	9 27 33·38	80·29	3	+2·3770	+0·0034	+0·0001	−0·004	−8·8363	+8·7308	+0·3760	+8·6454
555	5·4	2	Hydræ, Lal. 18817 ...	9 27 40·87	84·26	3	+2·7627	+0·0014	+0·0001	...	−8·7486	+8·6427	+0·4413	+8·2947
556	5·6	4	Velorum, B.A.C. 3276	9 29 26·16	77·27	4	+2·1504	+0·0033	+0·0001	−0·006	−8·9010	+8·7882	+0·3325	+8·7753
557	6·7	2	Leonis, B.A.C. 3292 ...	9 32 10·57	78·51	3	+3·3783	−0·0077	0·0000	...	−8·7559	+8·6323	+0·5287	−8·3070
558	6·9	4	Velorum, B.A.C. 3306	9 33 49·55	77·27	4	+2·4261	+0·0036	+0·0001	−0·003	−8·8388	+8·7087	+0·3849	+8·6383
559	4·7	2	κ Hydræ	9 34 33·18	84·27	3	+2·8778	+0·0005	+0·0001	−0·002	−8·7426	+8·6096	+0·4591	+8·1197
560	3·6	...	o Leonis	9 34 44·70	82·94	25	+3·2182	−0·0046	0·0000	−0·010	−8·7374	+8·6036	+0·5076	−7·9954

		s.	″
No. 525.	P′ and p′ affected with proper motion	−0·0222	+0·2164.
No. 527.	„ „ „	−0·0171	+0·2032.
No. 543.	„ „ „	−0·7811	−0·3722.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
521	176 9 3·94	76·80	21	16	+13·126	−0·6617	−0·0632	0·00	−9·8940	−9·8150	+1·1181	+9·8785	3759	2308	11982	...	4661
522	96 43 42·61	84·26	3	...	+13·267	+0·1587	−0·0011	−0·01	−9·7150	−8·8893	+1·1228	+9·8750	...	...	12012	...	4688
523	130 32 9·43	80·26	3	...	+13·385	+0·1177	−0·0006	−0·05	−9·9105	−9·6373	+1·1266	+9·8720	3577	2244	12058	...	4707
524	137 3 51·95	77·23	5	...	+13·536	+0·1053	−0·0005	+0·04	−9·9221	−9·6939	+1·1315	+9·8679	3596	2262	12122	1104	4734
525	41 29 21·07	74·48	13	...	+13·612	+0·2210	−0·0030	+0·25	+9·4194	+9·7062	+1·1339	+9·8659	...	...	...	1103	...
526	77 40 43·20	75·93	25	...	+13·672	+0·1723	−0·0015	+0·02	−9·4278	+9·1628	+1·1358	+9·8643	...	2268	...	1108	4752
527	47 44 37·16	73·68	7	...	+13·731	+0·2074	−0·0025	+0·26	+9·2279	+9·6632	+1·1377	+9·8626	...	...	...	...	...
528	105 40 32·28	84·25	3	...	+13·747	+0·1456	−0·0009	−0·22	−9·7885	−9·2677	+1·1382	+9·8622	...	...	12192	...	4765
529	130 47 13·14	80·26	3	...	+13·906	+0·1147	−0·0006	−0·03	−9·9026	−9·6561	+1·1432	+9·8576	3638	2300	12253	1120	4787
530	128 55 50·41	77·23	4	...	+14·025	+0·1169	−0·0006	−0·02	−9·8958	−9·6429	+1·1469	+9·8542	3655	2314	12311	...	4810
531	155 55 2·44	74·05	6	4	+14·214	+0·0040	−0·0006	+0·13	−9·9144	−9·8110	+1·1527	+9·8484	3696	2334	12378	1126	4831
532	78 50 59·00	75·96	26	...	+14·257	+0·1640	−0·0015	0·00	−9·4619	+9·1382	+1·1540	+9·8471	...	...	...	...	4839
533	67 28 12·14	78·53	3	...	+14·331	+0·1734	−0·0018	−0·01	−9·1230	+9·4375	+1·1563	+9·8448	...	...	...	1127	4847
534	98 6 17·85	84·24	3	...	+14·354	+0·1466	−0·0011	−0·01	−9·7226	−9·0040	+1·1570	+9·8441	...	...	12417	...	4851
535	76 57 25·98	83·24	3	...	+14·440	+0·1632	−0·0016	...	−9·4250	+9·2109	+1·1596	+9·8413	...	...	...	...	...
536	109 15 27·98	84·22	3	...	+14·576	+0·1346	−0·0010	...	−9·8035	−9·3797	+1·1636	+9·8368	...	...	12505	...	...
537	134 22 37·60	77·23	4	...	+14·590	+0·1056	−0·0005	−0·05	−9·8976	−9·7066	+1·1640	+9·8364	3723	2376	12515	1136	4891
538	87 10 48·19	84·26	3	...	+14·674	+0·1518	−0·0014	+0·31	−9·6018	+8·5562	+1·1665	+9·8335	...	...	...	...	4904
539	127 6 15·16	80·25	3	...	+14·795	+0·1144	−0·0007	−0·02	−9·8769	−9·6484	+1·1701	+9·8293	3748	2401	12600	1142	4929
540	159 13 22·14	80·35	3	...	+14·896	+0·0316	−0·0007	−0·11	−9·8920	−9·8417	+1·1731	+9·8258	3791	2425	12636	1151	4949
541	71 47 11·94	76·17	26	...	+14·919	+0·1608	−0·0017	+0·14	−9·3081	+9·3665	+1·1737	+9·8249	...	...	...	1148	4956
542	123 35 28·12	81·35	3	...	+15·005	+0·1169	−0·0008	...	−9·8624	−9·6170	+1·1762	+9·8218	...	...	12668	...	4965
543	175 10 48·95	75·24	28	21	+15·008	−0·3632	−0·0322	−0·03	−9·8435	−9·8726	+1·1763	+9·8217	3953	2491	12688	1165	4967
544	148 46 19·51	75·59	15	13	+15·012	+0·0746	−0·0004	−0·01	−9·8987	−9·8063	+1·1764	+9·8215	3792	2429	12672	1154	4968
545	123 35 46·35	77·27	4	...	+15·067	+0·1164	−0·0008	0·00	−9·8613	−9·6188	+1·1780	+9·8195	3784	2430	12693	...	4981
546	127 4 21·08	80·27	3	...	+15·116	+0·1121	−0·0007	−0·01	−9·8706	−9·6574	+1·1794	+9·8176	3795	2434	12715	...	4991
547	115 27 19·00	84·26	3	...	+15·145	+0·1236	−0·0009	0·00	−9·8283	−9·5113	+1·1803	+9·8165	3793	2436	12728	1156	4996
548	98 8 21·02	75·10	39	...	+15·457	+0·1337	−0·0012	−0·05	−9·7157	−9·0379	+1·1891	+9·8042	...	2478	12862	1166	5055
549	129 58 55·76	80·27	3	...	+15·460	+0·1061	−0·0007	−0·02	−9·8702	−9·6949	+1·1892	+9·8041	3836	2482	12865	1167	5057
550	115 46 30·80	83·24	3	...	+15·534	+0·1195	−0·0010	...	−9·8233	−9·5274	+1·1913	+9·8010	...	...	...	...	...
551	125 25 36·96	77·27	4	...	+15·601	+0·1100	−0·0008	+0·01	−9·8560	−9·6541	+1·1931	+9·7982	3861	2504	12930	1173	5090
552	66 30 13·07	76·77	3	...	+15·633	+0·1536	−0·0019	+0·03	−9·1708	+9·4925	+1·1940	+9·7968	...	...	...	1172	5100
553	90 39 22·47	84·28	3	...	+15·687	+0·1357	−0·0014	0·00	−9·6444	−7·9522	+1·1955	+9·7945	...	...	12981	...	5121
554	130 7 8·39	80·29	3	...	+15·779	+0·1036	−0·0007	0·00	−9·8630	−9·7050	+1·1981	+9·7904	3900	2532	13028	1185	5142
555	110 35 6·79	84·26	3	...	+15·786	+0·1208	−0·0011	...	−9·7945	−9·4421	+1·1983	+9·7901	...	...	13031	...	...
556	138 28 19·91	77·27	4	...	+15·880	+0·0923	−0·0006	−0·01	−9·8721	−9·7729	+1·2008	+9·7858	3917	2546	13077	1188	5161
557	69 9 42·19	78·51	3	...	+16·025	+0·1446	−0·0019	...	−9·2824	+9·4537	+1·2048	+9·7790	...	...	...	...	...
558	129 4 14·69	77·27	4	...	+16·111	+0·1019	−0·0007	+0·04	−9·8525	−9·7045	+1·2071	+9·7748	3959	2583	13166	...	5218
559	103 47 18·76	84·26	3	...	+16·149	+0·1209	−0·0012	−0·01	−9·7503	−9·2831	+1·2081	+9·7730	...	...	13184	...	5225
560	79 33 43·92	83·73	4	...	+16·159	+0·1354	−0·0016	+0·02	−9·5043	+9·1643	+1·2084	+9·7725	...	2586	...	1201	5227

No. 556. Double, Companion, 7 mag., S., preceding.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
561	8·4	1	Antliæ, O.A. 10011 ...	9 35 29·46	83·26	3	+2·7279	+0·0020	+0·0001	...	−8·7691	+8·6324	+0·4358	+8·3717
562	9·2	1	Antliæ	9 36 10·90	83·24	1	+2·7283	+0·0020	+0·0001	...	−8·7703	+8·6308	+0·4359	+8·3739
563	5·0	2	ζ Chamæleontis	9 37 21·72	75·14	22	−1·5364	−0·1447	−0·0064	−0·003	−9·5117	+9·3675	−0·1865	+9·5056
564	3·0	...	ε Leonis	9 39 2·24	77·63	98	+3·4211	−0·0090	0·0000	−0·004	−8·7764	+8·6255	+0·5342	−8·3912
565	6·0	...	Velorum, B.A.C. 3335	9 39 11·42	72·41	3	+2·1315	+0·0039	+0·0001	−0·006	−8·9343	+8·7828	+0·3287	+8·8228
566	6·5	2	Antliæ, B.A.C. 3340 ...	9 40 5·35	80·29	3	+2·6361	+0·0030	+0·0001	−0·003	−8·7983	+8·6432	+0·4210	+8·4927
567	5·7	4	Velorum, B.A.C. 3348	9 41 49·64	77·27	4	+2·3351	+0·0043	+0·0001	−0·010	−8·8842	+8·7220	+0·3683	+8·7276
568	3·2	2	υ Argus	9 44 6·10	73·88	10	+1·5049	−0·0023	0·0000	0·000	−9·1089	+8·9374	+0·1775	+9·0644
569	8·2	2	Sextantis	9 44 17·04	83·22	3	+3·0611	−0·0019	0·0000	...	−8·7429	+8·5707	+0·4859	+6·9208
570	6·0	3	6 Sextantis	9 45 11·22	84·26	3	+3·0246	−0·0013	...	0·000	−8·7449	+8·5690	+0·4807	+7·5525
571	4·7	2	u Velorum	9 45 17·58	80·28	3	+2·3265	+0·0045	+0·0001	−0·006	−8·8960	+8·7196	+0·3667	+8·7467
572	4·0	...	μ Leonis	9 45 56·17	82·63	24	+3·4415	−0·0098	+0·0001	−0·018	−8·7934	+8·6145	+0·5367	−8·4440
573	6·7	...	Antliæ, B.A.C. 3385 ...	9 47 35·65	72·41	3	+2·7040	+0·0029	+0·0001	−0·015	−8·7962	+8·6104	+0·4320	+8·4499
574	5·9	3	Hydræ, Lal. 19423 ...	9 48 57·89	83·22	4	+2·7812	+0·0021	+0·0001	...	−8·7813	+8·5898	+0·4442	+8·3534
575	5·5	1	Hydræ, Lal. 19433 ...	9 49 12·56	84·27	3	+2·8315	+0·0016	+0·0001	...	−8·7719	+8·5794	+0·4520	+8·2720
576	5·9	4	Velorum, B.A.C. 3396	9 49 34·01	77·27	4	+2·3590	+0·0048	+0·0001	−0·003	−8·8978	+8·7038	+0·3727	+8·7451
577	7·5	2	Hydræ, Lal. 19526 ...	9 52 9·78	83·22	3	+2·8062	+0·0020	+0·0001	...	−8·7812	+8·5763	+0·4481	+8·3278
578	7·0	1	12 Sextantis	9 53 29·54	84·28	3	+3·1208	−0·0029	+0·0001	...	−8·7551	+8·5446	+0·4943	−7·5942
579	5·5	1	η Antliæ	9 53 43·33	80·29	3	+2·5765	+0·0043	+0·0001	−0·011	−8·8427	+8·6312	+0·4110	+8·6047
580	5·0	...	π Leonis	9 53 52·28	76·98	108	+3·1783	−0·0040	+0·0001	−0·004	−8·7595	+8·5473	+0·5022	−7·9352
581	6·5	4	Velorum, B.A.C. 3429	9 56 26·95	77·27	4	+2·2573	+0·0054	+0·0001	−0·001	−8·9485	+8·7254	+0·3536	+8·8321
582	6·9	2	Antliæ, L. 4111 ...	9 56 46·23	81·36	3	+2·6175	+0·0042	+0·0001	...	−8·8372	+8·6127	+0·4179	+8·5802
583	4·4	2	υ² Hydræ	9 59 16·86	84·27	3	+2·9235	+0·0007	+0·0001	−0·003	−8·7710	+8·5356	+0·4659	+8·1058
584	7·0	2	Antliæ, B.A.C. 3448 ...	10 0 11·92	80·29	3	+2·6170	+0·0044	+0·0001	...	−8·8446	+8·6052	+0·4178	+8·5955
585	6·8	3	Antliæ, B.A.C. 3452 ...	10 0 23·11	77·32	4	+2·6827	+0·0039	+0·0001	−0·004	−8·8256	+8·5854	+0·4286	+8·5287
586	1·3	...	α Leonis	10 1 58·81	77·41	119	+3·2190	−0·0050	+0·0001	−0·018	−8·7741	+8·5268	+0·5077	−8·1112
587	6·0	3	μ¹ Chamæleontis	10 3 52·07	74·73	37	−1·3394	−0·1671	−0·0094	−0·015	−9·6027	+9·3471	−0·1269	+9·5981
588	4·0	1	λ Hydræ	10 4 44·20	84·30	3	+2·9382	+0·0007	+0·0001	−0·015	−8·7757	+8·5162	+0·4681	+8·0850
589	7·2	3	Hydræ, Lal. 19846 ...	10 5 32·43	83·32	3	+2·8750	+0·0018	+0·0001	...	−8·7870	+8·5239	+0·4586	+8·2561
590	5·8	3	Antliæ, B.A.C. 3497 ...	10 8 39·44	80·29	3	+2·5531	+0·0056	+0·0001	−0·006	−8·8847	+8·6073	+0·4071	+8·6905
591	3·3	...	λ Ursæ Majoris	10 9 51·25	73·94	5	+3·6591	−0·0192	+0·0002	−0·016	−8·9112	+8·6284	+0·5634	−8·7491
592	5·7	3	Velorum, B.A.C. 3512	10 10 29·34	77·32	4	+2·5087	+0·0061	+0·0001	...	−8·9048	+8·6190	+0·3994	+8·7346
593	7·1	4	Octantis, L. 4342 ...	10 10 56·17	74·79	32	−6·4683	−1·0772	−0·1363	−0·021	−9·9662	+9·6783	−0·8108	+9·9653
594	5·2	1	22 Sextantis	10 11 39·98	84·27	3	+2·9925	0·0000	+0·0001	−0·012	−8·7772	+8·4859	+0·4760	+7·8911
595	8·0	3	Leonis, Lal. 20021 ...	10 13 6·41	83·32	3	+3·1840	−0·0043	+0·0001	...	−8·7822	+8·4842	+0·5030	−8·0437
596	2·0	...	γ¹ Leonis	10 13 21·26	77·79	77	+3·2960	−0·0074	+0·0001	+0·020	−8·8033	+8·5042	+0·5180	−8·3466
597	3·0	...	μ Ursæ Majoris	10 15 10·52	73·83	6	+3·6058	−0·0181	+0·0002	−0·008	−8·9064	+8·5986	+0·5570	−8·7328
598	6·3	3	Hydræ, Lal. 20095 ...	10 15 22·58	83·36	3	+2·9343	+0·0013	+0·0001	...	−8·7886	+8·4798	+0·4675	+8·1466
599	7·0	1	42 Leonis	10 15 23·03	76·75	3	+3·2367	−0·0058	+0·0001	−0·003	−8·7933	+8·4844	+0·5101	−8·2223
600	6·3	3	25 Sextantis	10 17 22·41	84·33	3	+3·0373	−0·0008	+0·0001	−0·006	−8·7796	+8·4612	+0·4825	+7·5613

s.
No. 596. P′ and p′ affected with proper motion − 0·0075 + 0·1053.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
561	113 36 25·51	83·26	3	...	+16·198	+0·1137	−0·0010	...	−9·8019	−9·5098	+1·2095	+9·7705	...	...	13201	...	...
562	113 39 59·94	83·24	1	...	+16·233	+0·1133	−0·0010	...	−9·8014	−9·5118	+1·2104	+9·7687	...	...	...	...	...
563	170 24 5·48	76·34	13	8	+16·294	−0·0688	−0·0044	0·00	−9·8110	−9·9037	+1·2120	+9·7656	4048	2648	13246	1211	5252
564	65 40 25·99	75·80	30	...	+16·379	+0·1404	−0·0020	+0·01	−9·1977	+9·5269	+1·2143	+9·7612	...	2620	...	1207	5263
565	140 40 42·54	72·41	3	...	+16·387	+0·0860	−0·0006	+0·02	−9·8579	−9·8008	+1·2145	+9·7608	3998	2633	13274	1209	5265
566	119 39 1·96	80·29	3	...	+16·432	+0·1066	−0·0009	−0·05	−9·8200	−9·6078	+1·2157	+9·7583	3997	2636	13289	...	5272
567	134 12 2·26	77·27	4	...	+16·518	+0·0930	−0·0006	−0·01	−9·8490	−9·7591	+1·2180	+9·7536	4022	2659	13331	1214	5288
568	154 30 56·14	73·88	6	4	+16·630	+0·0577	−0·0004	0·00	−9·8396	−9·8742	+1·2209	+9·7473	4051	2682	13389	1219	5311
569	90 51 46·94	83·20	3	...	+16·639	+0·1210	−0·0014	...	−9·6456	−8·0968	+1·2211	+9·7468	...	...	...	...	...
570	93 40 54·21	84·26	3	...	+16·683	+0·1187	−0·0014	+0·01	−9·6708	−8·7277	+1·2223	+9·7442	...	...	13412	...	5324
571	135 10 22·23	80·28	3	...	+16·689	+0·0904	−0·0007	+0·01	−9·8446	−9·7710	+1·2224	+9·7439	4047	2688	13417	1223	5325
572	63 25 42·36	83·78	4	...	+16·720	+0·1350	−0·0020	+0·04	−9·1494	+9·5716	+1·2232	+9·7421	...	...	...	...	5332
573	116 46 15·91	72·41	3	...	+16·799	+0·1041	−0·0011	−0·12	−9·8016	−9·5767	+1·2253	+9·7373	4056	2705	13464	...	5350
574	111 55 14·51	83·22	4	...	+16·864	+0·1061	−0·0012	...	−9·7814	−9·4968	+1·2270	+9·7333	...	...	13500	...	...
575	108 26 28·93	84·27	3	...	+16·876	+0·1079	−0·0012	...	−9·7653	−9·4252	+1·2273	+9·7326	...	...	13506	...	...
576	134 43 0·69	77·27	4	...	+16·893	+0·0890	−0·0007	−0·02	−9·8372	−9·7728	+1·2277	+9·7315	4068	2723	13518	1229	5368
577	110 36 34·67	83·22	3	...	+17·014	+0·1046	−0·0012	...	−9·7726	−9·4751	+1·2308	+9·7237	...	...	...	...	...
578	86 2 30·55	84·27	3	...	+17·075	+0·1157	−0·0016	...	−9·5984	+8·7692	+1·2324	+9·7196	...	...	...	...	...
579	125 19 1·08	80·29	3	...	+17·086	+0·0946	−0·0009	+0·04	−9·8173	−9·6924	+1·2326	+9·7189	4095	2759	13618	1236	5410
580	81 22 50·47	75·60	31	...	+17·093	+0·1175	−0·0017	+0·01	−9·5448	+9·1063	+1·2328	+9·7185	...	2757	...	1235	5411
581	139 54 3·66	77·27	4	...	+17·210	+0·0808	−0·0007	...	−9·8275	−9·8172	+1·2358	+9·7104	4114	2783	13682	1239	5429
582	123 35 46·45	81·36	4	...	+17·224	+0·0941	−0·0009	...	−9·8094	−9·6769	+1·2361	+9·7094	4111	2782	13687	...	5432
583	102 28 59·45	84·26	3	...	+17·336	+0·1034	−0·0014	0·04	−9·7261	−9·2715	+1·2389	+9·7013	...	...	13743	...	5462
584	124 17 58·67	80·29	3	...	+17·376	+0·0915	−0·0009	0·00	−9·8060	−9·6887	+1·2400	+9·6983	4141	2821	13763	1241	5474
585	120 18 28·14	77·32	4	...	+17·384	+0·0937	−0·0010	+0·01	−9·7967	−9·6409	+1·2401	+9·6977	4143	2823	13770	1244	5478
586	77 26 49·14	75·71	29	...	+17·453	+0·1118	−0·0018	−0·02	−9·5003	+9·2768	+1·2419	+9·6924	...	2838	...	1246	5490
587	171 38 0·55	74·82	13	11	+17·534	−0·0511	−0·0042	−0·03	−9·7350	−9·9370	+1·2439	+9·6860	4232	2880	13840	1251	5501
588	101 45 41·49	84·29	3	...	+17·571	+0·0994	−0·0014	+0·06	−9·7185	−8·2519	+1·2448	+9·6830	...	...	13855	...	5515
589	107 7 40·31	83·33	3	...	+17·604	+0·0966	−0·0012	...	−9·7448	−9·4125	+1·2456	+9·6803	...	...	...	...	...
590	129 45 6·28	80·29	3	...	+17·733	+0·0831	−0·0009	−0·02	−9·8008	−9·7524	+1·2488	+9·6693	4202	2892	13941	...	5562
591	46 29 13·66	73·76	7	...	+17·782	+0·1195	−0·0026	+0·06	+7·5647	+9·7857	+1·2500	+9·6649	...	...	...	1256	...
592	132 30 48·51	77·32	4	...	+17·808	+0·0802	−0·0008	+0·06	−9·7997	−9·7782	+1·2506	+9·6626	4222	2914	13991	1259	5587
593	176 19 37·47	75·00	22	18	+17·826	−0·2199	−0·0305	+0·06	−9·6857	−9·9480	+1·2510	+9·6610	4342	...	14032	1277	5595
594	97 28 11·80	84·27	3	...	+17·855	+0·0955	−0·0014	−0·02	−9·6896	−9·0635	+1·2518	+9·6583	...	...	14031	...	5607
595	79 28 41·78	83·33	3	...	+17·912	+0·1005	−0·0017	...	−9·5371	+9·2125	+1·2531	+9·6529	...	...	...	...	...
596	69 33 7·25	76·21	26	...	+17·922	+0·1040	−0·0019	+0·15	−9·3975	+9·4945	+1·2534	+9·6520	...	2929	...	1263	5620
597	47 53 51·67	73·76	7	...	+17·992	+0·1122	−0·0025	−0·03	−8·4123	+9·7793	+1·2551	+9·6450	...	...	...	1272	...
598	103 10 57·03	83·36	3	...	+18·000	+0·0904	−0·0014	...	−9·7185	−9·3111	+1·2553	+9·6443	...	...	14113	...	...
599	74 25 12·11	76·75	3	...	+18·001	+0·1001	−0·0018	+0·04	−9·4764	+9·3822	+1·2553	+9·6442	...	...	...	...	...
600	93 28 4·55	84·33	3	...	+18·077	+0·0920	−0·0015	−0·03	−9·6621	−8·7366	+1·2571	+9·6365	...	...	14163	...	5666

No. 568. Double, Companion, 7½ mag.
No. 576. Double, Companion, 8½ mag., S., preceding.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
601	5·8	3	Antliæ, B.A.C. 3557 ...	10 18 14·08	77·32	4	+2·6332	+0·0059	+0·0001	−0·022	−8·8796	+8·5569	+0·4205	+8·6630
602	4·0	...	μ Hydræ	10 20 17·18	82·82	38	+2·9084	+0·0020	+0·0001	−0·010	−8·7991	+8·4663	+0·4636	+8·2453
603	4·5	3	α Antliæ	10 21 39·66	84·33	3	+2·7453	+0·0048	+0·0001	−0·009	−8·8471	+8·5075	+0·4386	+8·5520
604	7·0	1	Leonis, B.A.C. 3579 ...	10 22 23·59	76·75	3	+3·2199	−0·0055	+0·0001	−0·006	−8·7982	+8·4550	+0·5078	−8·2100
605	6·2	3	Velorum, B.A.C. 3591	10 23 7·17	77·32	4	+2·4460	+0·0079	+0·0002	...	−8·9651	+8·6182	+0·3885	+8·8415
606	6·3	1	Sextantis, B.A.C. 3603	10 24 58·29	84·35	3	+3·0060	+0·0002	+0·0001	−0·005	−8·7887	+8·4323	+0·4780	+7·8760
607	6·0	3	Hydræ, Lal. 20389 ...	10 25 6·08	83·32	3	+2·9484	+0·0015	+0·0001	...	−8·7968	+8·4397	+0·4696	+8·1480
608	6·9	3	Sextantis, Lal. 20416...	10 26 4·36	83·36	3	+2·9707	+0·0010	+0·0001	...	−8·7941	+8·4321	+0·4728	+8·0671
609	4·0	...	ρ Leonis	10 26 29·51	77·92	90	+3·1651	−0·0040	+0·0001	−0·001	−8·7933	+8·4290	+0·5004	−8·0296
610	4·0	3	p Carinæ	10 27 45·53	73·57	6	+2·1249	+0·0083	+0·0002	−0·005	−9·1031	+8·7322	+0·3273	+9·0452
611	5·5	1	44 Hydræ	10 28 18·44	84·35	3	+2·8499	+0·0037	+0·0001	−0·002	−8·8246	+8·4508	+0·4548	+8·4187
612	5·8	3	Antliæ, B.A.C. 3630 ...	10 29 53·14	80·30	3	+2·6584	+0·0069	+0·0001	−0·008	−8·8986	+8·5164	+0·4246	+8·6969
613	7·2	2	Antliæ, L. 4359 ...	10 30 4·10	77·32	4	+2·6907	+0·0065	+0·0001	...	−8·8858	+8·5026	+0·4299	+8·6626
614	7·9	2	Weisse, X., 511 ...	10 30 4·54	83·32	3	+2·9703	+0·0012	+0·0001	...	−8·7981	+8·4149	+0·4728	+8·0896
615	6·3	3	Sextantis, Lal. 20545 ...	10 31 15·10	83·40	3	+2·9731	+0·0012	+0·0001	...	−8·7987	+8·4092	+0·4732	+8·0842
616	5·1	2	ϕ^3 Hydræ	10 32 44·12	84·33	3	+2·9275	+0·0024	+0·0001	−0·009	−8·8093	+8·4117	+0·4665	+8·2563
617	8·6	3	Weisse, X., 565 ...	10 32 56·28	83·36	3	+2·9892	+0·0009	+0·0001	...	−8·7978	+8·3991	+0·4755	+8·0165
618	8·4	2	Weisse, X., 581 ...	10 33 49·22	83·32	3	+2·9939	+0·0009	+0·0001	...	−8·7979	+8·3943	+0·4762	+7·9959
619	7·3	3	Leonis, Lal. 20630 ...	10 35 6·12	83·41	3	+3·1506	−0·0036	+0·0001	...	−8·7990	+8·3883	+0·4984	−8·0023
620	6·2	2	33 Sextantis	10 35 17·88	84·36	3	+3·0630	−0·0010	+0·0001	−0·012	−8·7936	+8·3818	+0·4861	+7·0812
621	6·8	2	Weisse, X., 620 ...	10 35 51·16	83·39	3	+3·0098	+0·0005	+0·0001	...	−8·7976	+8·3826	+0·4785	+7·9092
622	5·8	3	Chamæleontis, B.A.C. 3676..	10 36 26·34	73·57	6	+1·4242	−0·0044	−0·0001	−0·001	−9·3505	+8·9322	+0·1536	+9·3331
623	6·6	3	Sextantis, Lal. 20677...	10 36 26·71	83·34	3	+3·0045	+0·0007	+0·0001	...	−8·7987	+8·3804	+0·4778	+7·9476
624	6·0	3	Antliæ, B.A.C. 3677 ...	10 37 9·56	77·33	3	+2·7759	+0·0059	+0·0001	+0·008	−8·8669	+8·4445	+0·4434	+8·5922
625	6·5	10	Octantis, L. 4510 ...	10 37 54·15	75·84	23	−2·8418	−0·5029	−0·0565	−0·005	−9·8977	+9·4710	−0·4536	+9·8964
626	6·0	14	η Argus	10 40 24·49	75·23	26	+2·3134	+0·0109	+0·0002	0·000	−9·0860	+8·6447	+0·3643	+9·0193
627	6·0	1	Velorum, B.A.C. 3700	10 41 16·74	80·32	3	+2·6589	+0·0084	+0·0002	...	−8·9305	+8·4840	+0·4247	+8·7607
628	5·1	...	l Leonis	10 42 56·92	78·22	77	+3·1595	−0·0040	+0·0001	−0·001	−8·8072	+8·3506	+0·4996	−8·0948
629	3·4	2	ν Hydræ	10 43 42·16	84·73	3	+2·9506	+0·0026	+0·0001	+0·005	−8·8156	+8·3544	+0·4699	+8·2443
630	5·9	3	Sextantis, Lal. 20850...	10 43 43·15	83·32	3	+3·0015	+0·0011	+0·0001	...	−8·8050	+8·3437	+0·4773	+8·0096
631	6·3	1	41 Sextantis	10 44 16·80	84·36	3	+3·0094	+0·0009	+0·0001	−0·002	−8·8043	+8·3395	+0·4785	+7·9618
632	6·0	3	Antliæ, B.A.C. 3719 ...	10 44 22·09	77·33	4	+2·7864	+0·0066	+0·0001	−0·009	−8·8783	+8·4130	+0·4450	+8·6193
633	4·7	3	δ^3 Chamæleontis	10 44 38·39	75·12	25	+0·6468	−0·0465	−0·0024	−0·033	−9·5564	+9·0894	+9·8108	+9·5496
634	8·2	3	Arg. + 8° 2423 ...	10 46 9·48	83·37	3	+3·1383	−0·0033	+0·0001	...	−8·8062	+8·3297	+0·4967	−7·9933
635	7·0	3	Sextantis, Lal. 20945...	10 46 47·40	83·32	3	+3·0269	+0·0005	+0·0001	...	−8·8039	+8·3234	+0·4810	+7·8358
636	5·0	...	ω Ursæ Majoris	10 47 4·01	73·84	6	+3·4739	−0·0182	+0·0002	+0·002	−8·9433	+8·4611	+0·5408	−8·7838
637	5·4	2	b^3 Hydræ	10 47 37·18	84·33	3	+2·9253	+0·0036	...	+0·003	−8·8275	+8·3417	+0·4662	+8·3509
638	7·0	1	Antliæ, B.A.C. 3745 ...	10 49 4·29	80·32	3	+2·7529	+0·0080	+0·0001	+0·003	−8·9069	+8·4117	+0·4398	+8·6974
639	5·2	3	Antliæ, B.A.C. 3755 ...	10 51 7·61	77·33	4	+2·7796	+0·0077	+0·0001	+0·007	−8·8988	+8·3900	+0·4440	+8·6731
640	5·0	...	d Leonis	10 54 21·80	83·11	34	+3·1005	−0·0019	+0·0001	−0·001	−8·8070	+8·2761	+0·4914	−7·6781

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d''					
	° ′ ″				″	″	″	″									
601	127 24 4·93	77·32	4	...	+18·109	+0·0786	−0·0009	+0·07	−9·7822	−9·7392	+1·2579	+9·6330	4278	2980	14191	1279	5676
602	106 13 26·84	83·96	6	...	+18·186	+0·0855	−0·0013	+0·06	−9·7278	−9·4038	+1·2597	+9·6248	...	...	14236	1283	5697
603	120 27 24·54	84·33	3	...	+18·236	+0·0794	−0·0011	0·00	−9·7671	−9·6636	+1·2609	+9·6191	4298	3011	14266	1284	5714
604	75 2 37·76	76·75	3	...	+18·262	+0·0930	−0·0018	+0·02	−9·4949	+9·3711	+1·2616	+9·6161	...	...	...	...	...
605	138 47 30·85	77·32	4	...	+18·289	+0·0692	−0·0008	+0·04	−9·7741	−9·8364	+1·2622	+9·6130	4305	3022	14300	...	5727
606	97 1 19·37	84·34	3	...	+18·355	+0·0843	−0·0015	−0·03	−9·6811	−9·0488	+1·2637	+9·6051	...	...	14336	...	5751
607	102 58 22·82	83·31	3	...	+18·359	+0·0825	−0·0014	...	−9·7102	−9·3128	+1·2638	+9·6046	...	...	14339	...	...
608	100 48 22·40	83·36	3	...	+18·393	+0·0823	−0·0015	...	−9·6997	−9·2354	+1·2647	+9·6004	...	...	...	...	...
609	80 4 34·78	76·92	22	...	+18·408	+0·0876	−0·0017	0·00	−9·5551	+9·1992	+1·2650	+9·5985	...	3046	...	1294	5763
610	151 4 6·39	73·58	3	3	+18·451	+0·0567	−0·0006	+0·01	−9·7425	−9·9059	+1·2660	+9·5929	4348	3072	14392	1303	5778
611	113 7 36·87	84·35	3	...	+18·470	+0·0770	−0·0012	−0·03	−9·7419	−9·5584	+1·2665	+9·5905	...	...	14403	1304	5786
612	128 56 32·13	80·30	3	...	+18·524	+0·0702	−0·0010	−0·04	−9·7621	−9·7639	+1·2677	+9·5834	4358	3085	14440	1307	5800
613	126 44 28·31	77·32	4	...	+18·530	+0·0710	−0·0012	...	−9·7607	−9·7425	+1·2679	+9·5825	4359	...	14445	...	5803
614	101 17 2·35	83·31	3	...	+18·530	+0·0788	−0·0015	...	−9·6992	−9·2572	+1·2679	+9·5825	...	...	...	...	...
615	101 7 31·46	83·39	3	...	+18·569	+0·0778	−0·0015	...	−9·6977	−9·2520	+1·2688	+9·5771	...	...	14486	...	...
616	106 15 14·27	84·33	3	...	+18·618	+0·0753	−0·0014	−0·05	−9·7165	−9·4147	+1·2699	+9·5701	...	...	14522	1314	5842
617	99 31 28·13	83·36	3	...	+18·624	+0·0768	−0·0015	...	−9·6895	−9·1866	+1·2701	+9·5691	...	...	...	...	...
618	99 4 39·29	83·31	3	...	+18·653	+0·0761	−0·0015	...	−9·6870	−9·1666	+1·2707	+9·5649	...	...	...	...	...
619	80 48 38·67	83·41	3	...	+18·693	+0·0791	−0·0017	...	−9·5688	+9·1728	+1·2717	+9·5587	...	...	...	...	...
620	91 6 40·18	84·35	3	...	+18·700	+0·0767	−0·0016	+0·10	−9·6442	−8·2572	+1·2718	+9·5578	...	...	14589	...	5879
621	97 25 42·94	83·39	3	...	+18·717	+0·0747	−0·0015	...	−9·6782	−9·0816	+1·2722	+9·5551	...	...	...	...	...
622	163 52 3·00	73·57	3	3	+18·736	+0·0330	−0·0005	0·00	−9·6657	−9·9530	+1·2727	+9·5521	4439	3170	14617	1335	5892
623	98 5 59·58	83·34	3	...	+18·736	+0·0740	−0·0015	...	−9·6810	−9·1194	+1·2727	+9·5521	...	...	14614	...	...
624	122 5 16·17	77·33	4	...	+18·758	+0·0675	−0·0012	−0·01	−9·7446	−9·6963	+1·2732	+9·5486	4415	3161	14635	1333	5903
625	175 28 5·97	77·25	16	15	+18·781	−0·0767	−0·0099	+0·08	−9·5841	−9·9702	+1·2737	+9·5448	4510	...	14661	1345	5911
626	149 3 13·81	75·39	20	7	+18·857	+0·0533	−0·0007	0·00	−9·7118	−9·9066	+1·2755	+9·5319	4457	3198	14720	1343	5938
627	132 33 32·39	80·32	3	...	+18·883	+0·0612	−0·0010	+0·05	−9·7383	−9·8040	+1·2761	+9·5273	4459	3201	14747	1344	5954
628	78 49 12·59	77·44	22	...	+18·931	+0·0720	−0·0017	+0·02	−9·5583	+9·2625	+1·2772	+9·5184	...	...	...	1349	5974
629	105 33 57·06	84·33	3	...	+18·953	+0·0662	−0·0014	−0·21	−9·7038	−9·4042	+1·2777	+9·5143	...	...	14802	1350	5986
630	99 13 1·66	83·31	3	...	+18·954	+0·0674	−0·0015	...	−9·6818	−9·1801	+1·2777	+9·5142	...	...	14803	...	...
631	98 15 44·10	84·36	3	...	+18·969	+0·0671	−0·0015	+0·01	−9·6776	−9·1333	+1·2780	+9·5111	...	...	14816	...	5992
632	123 25 24·98	77·33	4	...	+18·972	+0·0617	−0·0012	−0·02	−9·7329	−9·7169	+1·2781	+9·5106	4483	3237	14820	1352	5993
633	169 54 26·51	74·67	18	13	+18·980	+0·0111	−0·0008	−0·01	−9·5955	−9·9693	+1·2783	+9·5091	4513	3247	14829	1355	5994
634	81 8 59·40	83·37	3	...	+19·022	+0·0683	−0·0017	...	−9·5798	+9·1642	+1·2793	+9·5006	...	...	...	...	...
635	96 10 42·96	83·33	3	...	+19·039	+0·0652	−0·0015	...	−9·6676	−9·0094	+1·2796	+9·4970	...	...	14859	...	...
636	46 10 14·23	73·84	6	...	+19·047	+0·0751	−0·0023	+0·06	−8·9837	+9·8180	+1·2798	+9·4954	...	...	...	...	6008
637	109 29 34·87	84·33	3	...	+19·062	+0·0621	−0·0014	+0·24	−9·7098	−9·5013	+1·2802	+9·4922	...	...	14884	1356	6021
638	128 6 55·61	80·32	3	...	+19·101	+0·0570	−0·0011	0·00	−9·7237	−9·7693	+1·2811	+9·4837	4517	3278	14925	...	6036
639	126 29 34·72	77·33	4	...	+19·155	+0·0559	−0·0012	+0·12	−9·7200	−9·7544	+1·2823	+9·4713	4527	3293	14963	1364	6052
640	85 44 18·68	83·79	4	...	+19·237	+0·0597	−0·0016	+0·03	−9·6146	+8·8530	+1·2841	+9·4510	...	...	...	...	6077

No. 606. Close Double, Companion, 10·5 mag., N., following.

No. 638. Double, Companion, 8 mag., N., following 1·35.
s.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880. Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
641	5·0	3	Centauri, B.A.C. 3772...	10 54 38·95	80·33	3	+2·7386	+0·0092	+0·0002	+0·001	−8·9321	+8·3992	+0·4375	+8·7541
642	4·9	2	p^1 Leonis	10 55 42·38	84·33	3	+3·0605	−0·0003	+0·0001	+0·001	−8·8068	+8·2664	+0·4858	+7·3131
643	7·0	3	Leonis, Lal. 21204 ...	10 57 26·95	83·33	3	+3·1245	−0·0029	+0·0001	...	−8·8120	+8·2590	+0·4948	−7·9677
644	4·8	...	χ Leonis	10 58 49·58	77·17	101	+3·1218	−0·0028	+0·0001	−0·025	−8·8125	+8·2493	+0·4944	−7·9552
645	6·3	3	η Octantis	11 0 6·39	75·22	41	−0·1862	−0·1526	−0·0135	−0·061	−9·7860	+9·2133	−9·2701	+9·7835
646	6·2	3	Centauri, B.A.C. 3796...	11 0 19·77	77·32	3	+2·7059	+0·0111	+0·0002	−0·001	−8·9736	+8·3991	+0·4323	+8·8362
647	5·2	2	Centauri, B.A.C. 3804...	11 1 43·75	80·33	3	+2·7697	+0·0099	+0·0002	−0·008	−8·9386	+8·3534	+0·4424	+8·7640
648	3·1	...	ψ Ursæ Majoris	11 2 54·73	73·84	6	+3·4036	−0·0184	+0·0002	−0·007	−8·9619	+8·3674	+0·5319	−8·8126
649	4·2	2	β Crateris	11 5 45·36	84·33	3	+2·9446	+0·0049	+0·0001	−0·002	−8·8450	+8·2274	+0·4690	+8·4217
650	6·2	2	Centauri, B.A.C. 3829...	11 6 38·27	80·33	3	+2·7572	+0·0114	+0·0002	−0·019	−8·9673	+8·3423	+0·4405	+8·8213
651	3·3	...	δ Leonis	11 7 43·47	77·69	70	+3·1895	−0·0066	+0·0001	+0·010	−8·8429	+8·2086	+0·5037	−8·4008
652	4·5	3	ϕ Leonis	11 10 33·62	84·33	3	+3·0574	+0·0003	+0·0001	−0·007	−8·8143	+8·1550	+0·4853	+7·5325
653	7·0	3	Centauri, B.A.C. 3849...	11 10 53·29	77·36	3	+2·7858	+0·0116	+0·0002	−0·014	−8·9661	+8·3038	+0·4449	+8·8173
654	3·3	...	δ Crateris...	11 13 20·47	77·95	155	+3·0043	+0·0032	+0·0001	−0·011	−8·8282	+8·1430	+0·4777	+8·2158
655	9·8	3	Arg. + 7° 2438 ...	11 14 27·20	83·36	3	+3·1067	−0·0023	+0·0001	...	−8·8189	+8·1230	+0·4923	−7·9298
656	4·0	1	σ Leonis	11 14 56·87	78·55	3	+3·1030	−0·0020	+0·0001	−0·007	−8·8184	+8·1176	+0·4918	−7·8845
657	7·0	3	Leonis, B.A.C. 3871 ...	11 17 3·96	83·36	3	+3·1040	−0·0022	+0·0001	...	−8·8197	+8·0976	+0·4919	−7·9205
658	5·3	3	Hydræ, B.A.C. 3875 ...	11 17 24·03	77·36	3	+2·8961	+0·0091	+0·0001	−0·007	−8·9057	+8·1800	+0·4618	+8·6697
659	4·1	2	γ Crateris...	11 18 53·19	84·35	3	+2·9993	+0·0041	+0·0001	−0·009	−8·8363	+8·0948	+0·4770	+8·3029
660	6·2	2	Centauri, B.A.C. 3891...	11 19 44·57	80·33	3	+2·8957	+0·0097	+0·0002	−0·007	−8·9153	+8·1645	+0·4618	+8·6957
661	6·1	2	κ Crateris...	11 21 6·85	84·39	3	+3·0256	+0·0028	+0·0001	−0·009	−8·8267	+8·0605	+0·4808	+8·1337
662	4·0	...	τ Leonis	11 21 45·95	82·77	22	+3·0860	−0·0010	+0·0001	0·000	−8·8187	+8·0450	+0·4894	−7·6064
663	5·0	...	57 Ursæ Majoris	11 22 36·18	73·90	6	+3·2546	−0·0140	+0·0002	−0·006	−8·9338	+8·1503	+0·5125	−8·7419
664	7·5	1	Octantis, L. 4784 ...	11 23 36·70	76·77	3	+0·9570	−0·0553	−0·0054	−0·015	−9·8210	+9·0253	+9·9809	+9·8188
665	5·0	3	e Leonis	11 24 11·02	84·40	3	+3·0638	+0·0005	+0·0001	+0·001	−8·8189	+8·0164	+0·4863	+7·4302
666	7·1	4	Octantis	11 25 40·89	75·81	22	−4·9902	−2·5355	−0·9807	−0·100	−0·4260	+9·6044	−0·6981	+0·4258
667	6·0	2	Centauri, B.A.C. 3927...	11 26 57·74	80·33	3	+2·9125	+0·0111	+0·0002	−0·016	−8·9337	+8·0955	+0·4643	+8·7397
668	5·2	3	Hydræ, B.A.C. 3926 ...	11 26 57·99	77·36	3	+2·9596	+0·0081	+0·0001	−0·010	−8·8837	+8·0455	+0·4712	+8·5882
669	3·9	2	ξ Hydræ	11 27 6·11	84·35	3	+2·9565	+0·0083	+0·0001	−0·017	−8·8872	+8·0472	+0·4708	+8·6015
670	4·3	2	θ Crateris...	11 30 35·69	84·39	3	+3·0448	+0·0025	+0·0001	−0·005	−8·8259	+7·9365	+0·4836	+8·0268
671	4·8	...	υ Leonis	11 30 48·28	78·05	94	+3·0719	+0·0002	+0·0001	−0·002	−8·8204	+7·9279	+0·4874	+6·2700
672	6·0	2	Centauri, B.A.C. 3961...	11 34 4·58	80·36	3	+2·8936	+0·0158	+0·0003	−0·011	−9·0114	+8·0668	+0·4614	+8·8946
673	5·0	3	Hydræ, B.A.C. 3963 ...	11 34 15·29	77·36	3	+2·9710	+0·0096	+0·0002	−0·003	−8·9030	+7·9553	+0·4729	+8·6514
674	7·5	2	Octantis, L. 4865 ...	11 34 40·71	75·77	21	+1·4456	−0·0091	−0·0010	+0·020	−9·8658	+8·9109	+0·1601	+9·8640
675	4·8	3	ζ Crateris...	11 38 40·83	84·36	3	+3·0327	+0·0050	+0·0001	+0·001	−8·8430	+7·8129	+0·4818	+8·3256
676	5·2	2	Centauri, B.A.C. 3988...	11 40 47·90	80·37	3	+2·9790	+0·0121	+0·0002	−0·132	−8·9372	+7·8614	+0·4741	+8·7438
677	2·0	...	β Leonis	11 42 56·26	78·13	100	+3·0994	−0·0037	+0·0001	−0·036	−8·8383	+7·7109	+0·4913	−8·2581
678	6·8	3	Centauri, B.A.C. 3999...	11 43 29·34	77·36	3	+2·9748	+0·0146	+0·0002	−0·016	−8·9763	+7·8347	+0·4734	+8·8288
679	3·7	3	β Virginis...	11 44 26·63	84·36	3	+3·0762	−0·0001	+0·0001	+0·048	−8·8233	+7·6556	+0·4880	−7·4526
680	6·0	1	Hydræ, B.A.C. 4009 ...	11 45 37·57	80·39	3	+3·0236	+0·0089	+0·0001	−0·005	−8·8862	+7·6842	+0·4805	+8·5873

No. 645. P′ and p′ affected with proper motion s. −0·1536 ″ −0·0099.
No. 654. ,, ,, ,, +0·0032 +0·0398.
No. 676. ,, ,, ,, +0·0111 +0·0118.
No. 679. ,, ,, ,, −0·0002 +0·0113.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
641	131 34 56·66	80·33	3	...	+19·244	+0·0520	−0·0011	−0·03	−9·7086	−9.8041	+1·2843	+9·4492	4550	3323	15048	1371	6081
642	91 50 19·91	84·33	3	...	+19·270	+0·0576	−0·0016	0·00	−9·6459	−8·4890	+1·2849	+9·4423	...	...	15075	...	6095
643	81 46 16·88	83·33	3	...	+19·312	+0·0572	−0·0017	...	−9·5920	+9·1393	+1·2858	+9·4306	...	...	...	...	...
644	82 0 55·90	76·12	27	...	+19·344	+0·0559	−0·0017	+0·02	−9·5944	+9·1271	+1·2865	+9·4212	...	...	...	1378	6126
645	173 56 53·95	75·76	27	17	+19·373	−0·0076	−0·0019	+0·03	−9·4810	−9·9826	+1·2872	+9·4123	4643	3409	15189	1387	6146
646	136 47 39·74	77·33	4	...	+19·378	+0·0466	−0·0011	...	−9·6855	−9·8478	+1·2873	+9·4107	4591	3387	15188	...	6149
647	131 59 27·96	80·33	3	...	+19·409	+0·0466	−0·0012	−0·06	−9·6909	−9·8112	+1·2880	+9·4006	4603	3400	15224	1384	6169
648	44 51 4·77	73·84	6	...	+19·435	+0·0570	−0·0022	+0·04	−9·1180	+9·8370	+1·2886	+9·3919	...	...	...	...	...
649	112 10 14·41	84·33	3	...	+19·495	+0·0461	−0·0014	+0·09	−9·6904	−9·5645	+1·2899	+9·3701	...	3436	15317	1395	6205
650	135 36 53·73	80·33	3	...	+19·513	+0·0422	−0·0012	+0·03	−9·6706	−9·8422	+1·2903	+9·3631	4644	3445	15338	...	6215
651	68 49 8·32	76·05	27	...	+19·534	+0·0484	−0·0018	+0·11	−9·5090	+9·5465	+1·2908	+9·3543	...	...	...	1398	6228
652	92 59 44·74	84·33	3	...	+19·589	+0·0435	−0·0016	+0·05	−9·6478	−8·7080	+1·2920	+9·3305	...	...	15429	...	...
653	135 13 38·73	77·36	3	...	+19·595	+0·0390	−0·0012	−0·06	−9·6595	−9·8411	+1·2921	+9·3277	4678	3501	15437	...	6270
654	104 7 44·92	75·58	42	...	+19·640	+0·0400	−0·0015	−0·21	−9·6722	−9·3785	+1·2931	+9·3057	...	...	15488	1407	6298
655	82 34 57·86	83·36	3	...	+19·659	+0·0404	−0·0017	...	−9·6072	+9·1023	+1·2936	+9·2954	...	...	...	...	...
656	83 18 47·73	78·55	3	...	+19·668	+0·0400	−0·0016	0·00	−9·6108	+9·0577	+1·2937	+9·2907	...	...	...	1410	6312
657	82 45 19·85	83·36	3	...	+19·703	+0·0379	−0·0017	...	−9·6095	+9·0931	+1·2945	+9·2702	...	...	...	...	...
658	125 30 22·75	77·36	3	...	+19·708	+0·0348	−0·0014	+0·02	−9·6632	−9·7565	+1·2946	+9·2667	4728	3554	15571	1415	6333
659	107 1 29·66	84·35	3	...	+19·732	+0·0347	−0·0015	−0·03	−9·6694	−9·4595	+1·2952	+9·2515	...	...	15603	1423	6347
660	127 5 16·12	80·33	3	...	+19·746	+0·0326	−0·0014	−0·01	−9·6546	−9·7736	+1·2955	+9·2424	4740	3573	15622	1425	6352
661	101 41 50·41	84·39	3	...	+19·766	+0·0330	−0·0016	−0·04	−9·6619	−9·3007	+1·2959	+9·2275	...	...	15649	...	6359
662	86 28 58·34	83·83	4	...	+19·776	+0·0330	−0·0017	0·00	−9·6262	+8·7817	+1·2961	+9·2203	...	...	...	1433	6367
663	50 0 11·47	73·90	6	...	+19·787	+0·0343	−0·0020	−0.02	−9·3579	+9·8022	+1·2964	+9·2107	...	...	...	...	...
664	174 17 41·11	75·75	1	3	+19·802	+0·0068	−0·0006	0·00	−9·3019	−9·9923	+1·2967	+9·1989	4784	3618	15711	...	6387
665	92 20 29·41	84·39	3	...	+19·809	+0·0305	−0·0016	+0·01	−9·6433	−8·6059	+1·2969	+9·1921	...	...	15716	...	6394
666	178 34 59·99	76·53	17	14	+19·830	−0·0585	−0·0227	0·00	−9·2036	−9·9950	+1·2973	+9·1736	...	...	15761	...	6404
667	129 46 32·09	80·33	3	...	+19·846	+0·0262	−0·0014	−0·05	−9·6288	−9·8015	+1·2977	+9·1573	4778	3640	15776	...	6420
668	120 25 29·38	77·36	3	...	+19·846	+0·0267	−0·0015	−0·02	−9·6502	−9·7000	+1·2977	+9·1573	4776	3638	15777	1444	6421
669	121 11 36·88	84·36	3	...	+19·848	+0·0266	−0·0015	+0·02	−9·6486	−9·7098	+1·2977	+9·1555	4779	3641	15786	1445	6425
670	99 8 18·46	84·39	3	...	+19·889	+0·0241	−0·0016	−0·03	−9·6519	−9·1973	+1·2986	+9·1070	...	...	15851	...	6454
671	90 9 40·81	76·42	26	...	+19·892	+0·0241	−0·0017	−0·05	−9·6377	−7·4461	+1·2987	+9·1040	...	...	15861	1456	6462
672	139 49 16·86	80·35	4	...	+19·926	+0·0195	−0·0013	−0·01	−9·5637	−9·8803	+1·2994	+9·0526	4841	3702	15944	...	6509
673	124 4 46·11	77·36	3	...	+19·927	+0·0200	−0·0015	−0·05	−9·6255	−9·7457	+1·2994	+9·0496	4839	3705	15950	1465	6510
674	174 49 19·72	76·40	14	6	+19·931	+0·0073	−0·0004	0·00	−9·1731	−9·9956	+1·2995	+9·0424	4865	3722	15959	...	6513
675	107 41 0·53	84·36	3	...	+19·967	+0·0162	−0·0016	+0·01	−9·6450	−9·4806	+1·3003	+8·9680	...	...	16053	1478	6555
676	129 50 49·57	80·37	3	...	+19·983	+0·0139	−0·0015	−0·41	−9·5874	−9·8051	+1·3007	+8·9227	4887	3766	16103	1488	6576
677	74 45 25·23	76·56	25	...	+19·999	+0·0125	−0·0017	+0·10	−9·6010	+9·4186	+1·3010	+8·8714	...	3780	...	1491	6593
678	135 24 0·57	77·36	3	...	+20·002	+0·0113	−0·0015	0·00	−9·5513	−9·8514	+1·3011	+8·8572	...	3785	16146	...	6597
679	87 33 32·27	84·36	3	...	+20·008	+0·0109	−0·0017	+0·26	−9·6341	+8·6283	+1·3012	+8·8313	...	3791	...	1495	6605
680	120 9 27·64	80·38	3	...	+20·015	+0·0095	−0·0016	...	−9·6092	−9·7002	+1·3013	+8·7971	4913	3802	16192	1500	6617

No. 647. Apparently close double.

No. 653. Double, Companion, 7½ mag., preceding 0·34 s.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
681	5·8	2	η Crateris	11 49 54·02	84·36	4	+3·0549	+0·0050	+0·0001	−0·005	−8·8417	+7·4861	+0·4850	+8·2946
682	5·8	3	Hydræ, B.A.C. 4037 ...	11 50 58·04	77.36	3	+3·0386	+0·0100	+0·0002	−0·013	−8·8982	+7·4941	+0·4827	+8·6302
683	8·3	3	Arg. + 5°, 2563 ...	11 52 21·44	83·41	3	+3·0762	−0·0006	+0·0001	...	−8·8253	+7·3485	+0·4880	−7·7665
684	6·0	1	Centauri, B.A.C. 4047...	11 53 28·56	80·39	3	+3·0330	+0·0158	+0·0002	−0·004	−8·9817	+7·4361	+0·4819	+8·8384
685	5·7	3	Virginis, Lal. 22585 ...	11 54 35·03	84·40	3	+3·0669	+0·0034	+0·0001	...	−8·8301	+7·2037	+0·4867	+8·0595
686	4·3	...	π Virginis	11 54 43·47	82·97	17	+3·0763	−0·0011	+0·0001	−0·002	−8·8273	−7·1896	+0·4880	−7·9303
687	6·0	1	Octantis, B.A.C. 4058...	11 56 22·85	75·42	36	+2·8334	+0·1440	+0·0159	−0·034	−9·8804	+8·0778	+0·4523	+9·8787
688	9·6	3	Arg. + 4°, 2571 ...	11 59 21·04	83·41	3	+3·0726	−0·0003	+0·0001	...	−8·8253	+6·2776	+0·4875	−7·7327
689	7·0	2	Virginis, B.A.C. 4077...	11 59 51·17	84·35	3	+3·0723	+0·0016	+0·0001	−0·002	−8·8243	+5·6319	+0·4875	+7·4574
690	4·5	3	Centauri, B.A.C. 4085...	12 1 52·54	77·37	3	+3·0854	+0·0190	+0·0003	−0·006	−9·0158	−6·9287	+0·4893	+8·9000
691	3·0	2	δ Centauri	12 2 8·64	77·39	4	+3·0873	+0·0190	+0·0003	0·000	−9·0163	−6·9874	+0·4896	+8·9009
692	5·7	2	Centauri, B.A.C. 4091...	12 2 41·57	80·39	3	+3·0873	+0·0154	+0·0002	−0·003	−8·9644	−7·0345	+0·4896	+8·8035
693	3·0	...	ε Corvi	12 3 57·24	78·28	123	+3·0816	+0·0071	+0·0001	−0·006	−8·8565	−7·0934	+0·4888	+8·4292
694	6·2	2	Centauri, B.A.C. 4113...	12 7 10·71	80·40	3	+3·1054	+0·0132	+0·0002	−0·010	−8·9287	−7·4247	+0·4921	+8·7206
695	6·2	3	Centauri, B.A.C. 4115...	12 7 46·44	77·36	3	+3·1178	+0·0166	+0·0002	−0·013	−8·9746	−7·5052	+0·4938	+8·8245
696	2·2	2	γ Corvi	12 9 38·11	84·38	4	+3·0894	+0·0058	+0·0001	−0·012	−8·8426	−7·4666	+0·4899	+8·3055
697	4·5	1	β Chameleontis	12 11 20·45	75·00	32	+3·4016	+0·0914	+0·0043	−0·023	−9·5292	−8·2239	+0·5317	+9·5206
698	3·3	...	η Virginis	12 13 46·00	78·13	87	+3·0723	+0·0013	+0·0001	−0·006	−8·8231	−7·6023	+0·4875	−3·5087
699	5·9	3	Corvi, B.A.C. 4157 ...	12 14 43·98	84·42	3	+3·0920	+0·0048	+0·0001	...	−8·8341	−7·6428	+0·4962	+8·1829
700	6·3	3	Centauri, B.A.C. 4160...	12 15 22·78	77·41	4	+3·1765	+0·0198	+0·0003	−0·014	−9·0085	−7·8359	+0·5019	+8·8881
701	6·0	1	Centauri, B.A.C. 4175...	12 17 25·05	80·38	3	+3·1523	+0·0138	+0·0002	−0·010	−8·9276	−7·8092	+0·4986	+8·7193
702	2·3	3	α^1 Crucis	12 19 56·01	75·95	26	+3·2948	+0·0341	+0·0007	−0·006	−9·1569	−8·0975	+0·5178	+9·1046
703	2·3	3	α^2 Crucis	12 19 56·67	74·69	11	+3·2948	+0·0341	+0·0007	−0·006	−9·1569	−8·0975	+0·5178	+9·1046
704	6·6	3	Virginis, B.A.C. 4200 ...	12 21 42·13	84·40	3	+3·0811	+0·0026	+0·0001	−0·005	−8·8230	−7·8006	+0·4887	+7·6612
705	6·1	4	Centauri, B.A.C. 4210...	12 23 32·46	77·41	4	+3·1918	+0·0155	+0·0002	−0·007	−8·9443	−7·9575	+0·5040	+8·7619
706	2·3	...	δ^2 Corvi	12 23 39·36	83·14	32	+3·1114	+0·0059	+0·0001	−0·014	−8·8384	−7·8538	+0·4930	+8·2747
707	6·3	3	Centauri, B.A.C. 4227...	12 27 1·84	80·41	3	+3·2079	+0·0156	+0·0002	+0·003	−8·9415	−8·0152	+0·5062	+8·7562
708	4·3	...	β Canum Ven.	12 28 2·46	73·91	6	+2·9254	−0·0103	+0·0002	−0·065	−8·9496	−8·0394	+0·4662	−8·7752
709	2·3	...	β Corvi	12 28 5·09	77·76	116	+3·1408	+0·0082	+0·0001	−0·003	−8·8558	−7·9462	+0·4970	+8·4428
710	5·2	2	χ Virginis	12 33 3·21	84·40	3	+3·0971	+0·0038	+0·0001	−0·006	−8·8229	−7·9850	−0·4910	+7·9290
711	6·5	7	Octantis, B. 4091 ...	12 34 46·07	75·98	34	+16·5387	+9·6082	+6·0921	−0·079	−0·6427	−9·8271	+1·2185	+0·6427
712	6·1	4	Centauri, B.A.C. 4263...	12 34 47·61	77·41	4	+3·2780	+0·0189	+0·0003	−0·012	−8·9731	−8·1578	+0·5156	+8·8263
713	3·3	...	γ^1 Virginis	12 35 34·69	83·05	11	+3·0752	+0·0021	+0·0001	−0·038	−8·8187	−8·0132	+0·4879	+6·9587
714	2·7	...	γ Virginis (mean) ...	12 35 34·77	75·31	6	+3·0752	+0·0021	+0·0001	−0·038	−8·8187	−8·0132	+0·4879	+6·9587
715	5·0	1	Centauri, B.A.C. 4272...	12 35 57·12	80·38	3	+3·3056	+0·0209	+0·0003	−0·013	−8·9943	−8·1935	+0·5192	+8·8664
716	6·6	2	Virginis, B.A.C. 4294 ...	12 41 21·36	84·42	3	+3·0960	+0·0036	+0·0001	−0·003	−8·8189	−8·0800	+0·4908	+7·8117
717	6·0	...	35 Virginis	12 41 44·78	74·65	23	+3·0544	+0·0010	+0·0001	−0·003	−8·8178	−8·0831	+0·4849	−7·6855
718	5·5	2	ι Octantis	12 42 32·14	75·98	30	+5·6205	+0·4048	+0·0389	+0·051	−9·8325	−9·1061	+0·7498	+9·8305
719	5·9	4	Centauri, B.A.C. 4313...	12 45 20·64	77·41	4	+3·2853	+0·0157	+0·0002	−0·006	−8·9250	−8·2271	+0·5166	+8·7241
720	5·0	1	Centauri, B.A.C. 4317...	12 46 19·76	80·38	3	+3·3735	+0·0218	+0·0003	−0·016	−8·9919	−8·3036	+0·5281	+8·8650

No. 708. P′ and p′ affected with proper motion $-\overset{s.}{0}\cdot0098 - \overset{''}{0}\cdot0291$.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
681	106 28 57·14	84·38	4	...	+20·035	+0·0055	−0·0017	−0·02	−9·6320	−9·4525	+1·3018	+8·6440	...	...	16284	1514	6649
682	122 38 49·71	77·36	3	...	+20·038	+0·0044	−0·0016	−0·01	−9·5872	−9·7316	+1·3019	+8·5955	4945	3839	16309	...	6654
683	84 59 22·94	83·41	3	...	+20·043	+0·0032	−0·0017	...	−9·6328	+8·9410	+1·3020	+8·5230	...	...	...	...	...
684	135 57 52·71	80·39	4	...	+20·046	+0·0020	−0·0016	0·00	−9·5079	−9·8565	+1·3020	+8·4543	4971	3862	16377	...	6682
685	99 45 44·97	84·40	3	...	+20·048	+0·0010	−0·0017	...	−9·6351	−9·2292	+1·3021	+8·3735	...	...	16402	...	...
686	82 42 58·67	84·00	3	...	+20·048	+0·0008	−0·0017	+0·04	−9·6309	+9·1029	+1·3021	+8·3621	...	...	...	1528	6692
687	174 57 48·89	76·04	26	21	+20·052	−0·0010	−0·0013	0·00	−8·7306	−9·9983	+1·3021	+8·1973	4991	3884	16438	1533	6703
688	85 21 56·65	83·41	3	...	+20·054	−0·0036	−0·0017	...	−9·6357	+8·9074	+1·3022	+7·4523	...	...	...	...	...
689	92 27 45·44	84·35	3	...	+20·054	−0·0041	−0·0017	+0·02	−9·6370	−8·6331	+1·3022	+6·8076	...	...	...	...	...
690	139 59 33·78	77·37	3	...	+20·053	−0·0061	−0·0017	+0·01	−9·4356	−9·8842	+1·3022	−7·9129	5029	3930	16566	1549	6762
691	140 3 13·91	77·39	4	...	+20·053	−0·0064	−0·0017	+0·01	−9·4336	−9·8846	+1·3022	−7·9710	5033	3934	16572	1551	6766
692	133 39 23·64	80·38	3	...	+20·053	−0·0070	−0·0017	+0·07	−9·4854	−9·8390	+1·3022	−8·0700	5036	3938	16588	1556	6770
693	111 57 7·60	76·28	28	...	+20·051	−0·0082	−0·0017	−0·02	−9·5976	−9·5726	+1·3021	−8·2368	...	...	16615	1558	6778
694	128 15 40·99	80·40	3	...	+20·044	−0·0114	−0·0018	0·00	−9·5069	−9·7916	+1·3020	−8·4958	5065	3963	16688	...	6808
695	135 3 22·85	77·36	3	...	+20·042	−0·0120	−0·0018	−0·01	−9·4510	−9·8497	+1·3020	−8·5304	5069	3967	16700	1570	6813
696	106 52 30·66	84·38	3	...	+20·036	−0·0137	−0·0017	−0·03	−9·6053	−9·4624	+1·3018	−8·6235	...	...	16744	1577	6828
697	168 38 44·83	75·36	15	15	+20·029	−0·0165	−0·0021	−0·01	−8·5674	−9·9909	+1·3017	−8·6942	5085	3986	16766	1581	6836
698	89 59 59·01	76·43	26	...	+20·018	−0·0177	−0·0017	+0·02	−9·6374	+4·6848	+1·3014	−8·7784	...	...	...	1588	6852
699	102 53 59·22	84·42	3	...	+20·012	−0·0188	−0·0017	...	−9·6113	−9·3479	+1·3013	−8·8078	...	...	16830	...	...
700	139 16 58·40	77·41	4	...	+20·009	−0·0198	−0·0019	+0·01	−9·3659	−9·8786	+1·3012	−8·8264	5114	4016	16842	...	6866
701	128 14 42·91	80·38	3	...	+19·996	−0·0217	−0·0019	−0·01	−9·4680	−9·7904	+1·3009	−8·8804	5130	4036	16896	...	6889
702	152 26 1·40	75·94	16	12	+19·978	−0·0251	−0·0021	+0·04	−9·0926	−9·9460	+1·3005	−8·9389	5148	4050	16942	1601	6908
703	152 26 3·93	73·37	7	1	+19·978	−0·0251	−0·0021	+0·04	−9·0926	−9·9460	+1·3005	−8·9389	...	4051	16943	1602	6909
704	93 57 3·22	84·40	3	...	+19·964	−0·0255	−0·0017	+0·05	−9·6297	−8·8363	+1·3002	−8·9757	...	...	16984	...	...
705	131 4 16·74	77·41	4	...	+19·948	−0·0281	−0·0019	−0·01	−9·4145	−9·8153	+1·2999	−9·0109	5173	4077	17020	...	6938
706	105 50 48·60	83·97	5	...	+19·947	−0·0277	−0·0017	+0·15	−9·5902	−9·4340	+1·2999	−9·0130	...	...	17030	...	6943
707	130 45 4·43	80·41	3	...	+19·915	−0·0318	−0·0019	+0·06	−9·4012	−9·8117	+1·2992	−9·0707	5200	4099	17111	...	6974
708	47 59 25·26	73·92	6	...	+19·904	−0·0303	−0·0014	−0·28	−9·6064	+9·8223	+1·2989	−9·0865	...	...	...	...	...
709	112 43 58·10	75·95	32	...	+19·904	−0·0323	−0·0018	+0·05	−9·5477	−9·5838	+1·2989	−9·0872	...	...	17129	1620	6982
710	97 20 4·59	84·40	3	...	+19·846	−0·0367	−0·0017	+0·02	−9·6149	−9·1015	+1·2977	−9·1575	...	...	17223	...	...
711	179 8 25·17	76·08	21	15	+19·823	−0·1865	−0·1188	−0·01	+9·1602	−9·9949	+1·2972	−9·1794	5235	4091	17241	...	7017
712	135 29 17·72	77·41	4	...	+19·823	−0·0404	−0·0020	−0·02	−9·2930	−9·8481	+1·2972	−9·1796	5242	4146	17266	1632	7019
713	90 47 24·60	83·45	1	...	+19·813	−0·0389	−0·0017	−0·01	−9·6352	−8·1347	+1·2969	−9·1893	...	...	17291	...	7027
714	90 47 27·53	73·26	2	...	+19·813	−0·0389	−0·0017	−0·01	−9·6352	−8·1347	+1·2969	−9·1893	...	4159	...	1637	...
715	138 9 13·39	80·38	3	...	+19·808	−0·0419	−0·0020	+0·06	−9·2382	−9·8667	+1·2968	−9·1938	5250	4161	17300	1638	7032
716	95 38 40·15	84·42	3	...	+19·728	−0·0447	−0·0017	+0·04	−9·6171	−8·9857	+1·2951	−9·2540	...	...	17422	...	...
717	85 46 18·53	74·57	16	...	+19·722	−0·0446	−0·0017	0·00	−9·6494	+8·8604	+1·2949	−9·2580	...	...	...	...	7068
718	174 28 15·77	76·43	20	19	+19·710	−0·0798	−0·0091	0·00	+9·1518	−9·9904	+1·2947	−9·2660	5268	4187	17440	1652	7073
719	129 1 34·58	77·41	4	...	+19·663	−0·0513	−0·0019	...	−9·3290	−9·7906	+1·2936	−9·2935	5300	4217	17489	1661	7088
720	138 17 23·59	80·38	3	...	+19·646	−0·0536	−0·0021	+0·05	−9·1424	−9·8641	+1·2933	−9·3027	5308	4225	17506	1663	7101

No. 687. Double, Companion, 10 mag., S., following.

No. 695. Double, Companion, 7 mag., preceding $\overset{s.}{0}\cdot39$.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
721	4·7	2	ψ Virginis	12 48 6·76	84·43	3	+3·1159	+0·0046	+0·0001	−0·003	−8·8195	−8·1480	+0·4936	+8·0084
722	3·0	...	δ Virginis	12 49 33·56	82·81	22	+3·0520	+0·0013	+0·0001	−0·034	−8·8148	−8·1565	+0·4846	−7·6637
723	2·9	...	α Canum Ven.	12 50 24·72	77·11	62	+2·8364	−0·0076	+0·0002	−0·022	−8·9226	−8·2720	+0·4528	−8·7212
724	6·0	...	k Virginis	12 53 28·58	76·84	3	+3·0894	+0·0032	+0·0001	−0·003	−8·8126	−8·1886	+0·4899	+7·5545
725	6·7	5	Octantis, L. 5325 ...	12 54 26·15	75·27	27	+8·9068	+1·2932	+0·2197	−8·280	−0·0804	−9·4644	+0·9497	+0·0798
726	7·0	2	Centauri, B.A.C. 4357...	12 54 28·15	77·41	4	+3·2766	+0·0131	+0·0002	−0·001	−8·8878	−8·2721	+0·5154	+8·6236
727	2·6	...	ε Virginis	12 56 12·20	83·02	17	+3·0057	−0·0004	+0·0001	−0·019	−8·8197	−8·2181	+0·4779	−8·1232
728	5·6	2	Corvi, Lal. 24277 ...	12 57 20·60	84·43	3	+3·1924	+0·0081	+0·0001	...	−8·8370	−8·2445	+0·5041	+8·3698
729	5·3	3	Centauri, B.A.C. 4377...	12 59 19·72	80·41	3	+3·4500	+0·0223	+0·0003	−0·009	−8·9822	−8·4051	+0·5378	+8·8520
730	5·5	2	Centauri, B.A.C. 4378...	12 59 47·45	77·42	3	+3·3715	+0·0175	+0·0002	0·000	−8·9308	−8·3573	+0·5278	+8·7473
731	4·3	...	θ Virginis	13 3 44·24	78·24	101	+3·1038	+0·0039	+0·0001	−0·004	−8·8085	−8·2641	+0·4919	+7·7398
732	4·9	2	53 Virginis	13 5 40·36	84·43	3	+3·1775	+0·0070	+0·0001	+0·004	−8·8220	−8·2913	+0·5021	+8·2503
733	6·2	3	Centauri, B.A.C. 4427...	13 7 5·47	77·43	3	+3·4259	+0·0188	+0·0002	−0·022	−8·9374	−8·4166	+0·5348	+8·7671
734	6·0	3	Centauri, B.A.C. 4429...	13 7 40·09	80·41	3	+3·5092	+0·0233	+0·0003	−0·015	−8·9819	−8·4650	+0·5452	+8·8551
735	3·1	2	γ Hydræ	13 12 25·02	84·42	3	+3·2447	+0·0094	+0·0001	+0·002	−8·8364	−8·3508	+0·5112	+8·4199
736	1·0	...	α Virginis	13 18 52·32	77·98	121	+3·1562	+0·0057	+0·0001	−0·004	−8·8050	−8·3594	+0·4992	+8·0671
737	6·3	3	Centauri, B.A.C. 4481...	13 19 4·53	77·42	3	+3·5774	+0·0238	+0·0002	−0·012	−8·9734	−8·5290	+0·5536	+8·8455
738	5·7	3	Centauri, B.A.C. 4482...	13 19 10·48	80·41	3	+3·4406	+0·0171	+0·0002	+0·012	−8·9077	−8·4639	+0·5366	+8·7078
739	5·0	2	κ Octantis	13 21 48·62	75·33	41	+8·6000	+0·7633	+0·0763	−0·066	−9·8702	−9·4419	+0·9345	+9·8687
740	6·1	1	72 Virginis	13 24 10·10	84·43	3	+3·1215	+0·0046	+0·0001	+0·002	−8·7962	−8·3813	+0·4944	+7·8045
741	6·1	2	73 Virginis	13 25 34·63	84·44	3	+3·2318	+0·0081	+0·0001	−0·008	−8·8150	−8·4080	+0·5094	+8·3075
742	7·5	3	Centauri, B.A.C. 4518...	13 26 1·94	80·43	3	+3·4743	+0·0175	+0·0002	−0·013	−8·9042	−8·4998	+0·5409	+8·7064
743	3·3	...	ζ Virginis	13 28 34·75	78·09	123	+3·0722	+0·0032	+0·0001	−0·020	−8·7906	−8·4002	+0·4874	−5·2931
744	6·0	3	Centauri, B.A.C. 4537...	13 29 56·59	77·48	3	+3·5580	+0·0204	+0·0002	−0·016	−8·9292	−8·5461	+0·5512	+8·7673
745	6·0	3	Centauri, B.A.C. 4551...	13 32 35·21	80·43	3	+3·6842	+0·0255	+0·0003	−0·022	−8·9735	−8·6044	+0·5663	+8·8535
746	5·0	1	m Virginis	13 35 18·89	84·43	3	+3·1492	+0·0054	+0·0001	−0·007	−8·7896	−8·4346	+0·4982	+7·9383
747	6·0	2	Centauri, B.A.C. 4567...	13 36 30·82	77·47	3	+3·5552	+0·0191	+0·0001	−0·006	−8·9095	−8·5607	+0·5509	+8·7304
748	6·0	2	86 Virginis	13 39 32·70	79·09	4	+3·1901	+0·0065	+0·0001	−0·002	−8·7909	−8·4573	+0·5038	+8·1025
749	4·6	...	τ Bootis	13 41 33·55	82·90	30	+2·8855	−0·0004	+0·0001	−0·035	−8·8017	−8·4781	+0·4602	−8·2930
750	2·0	...	η Ursæ Majoris ...	13 42 48·61	74·29	4	+2·3835	−0·0052	+0·0001	−0·011	−8·9698	−8·6522	+0·3772	−8·8535
751	5·0	1	89 Virginis	13 43 21·11	84·43	3	+3·2564	+0·0082	+0·0001	−0·009	−8·7988	−8·4839	+0·5127	+8·2778
752	6·2	3	Centauri, B.A.C. 4620...	13 44 35·51	80·46	3	+3·4978	+0·0158	+0·0001	...	−8·8681	−8·5592	+0·5438	+8·6356
753	5·0	2	h Centauri	13 46 18·35	77·47	3	+3·4365	+0·0135	+0·0001	−0·001	−8·8439	−8·5431	+0·5361	+8·5599
754	5·7	...	p Virginis	13 48 32·43	84·44	3	+3·0820	+0·0038	+0·0001	−0·007	−8·7733	−8·4830	+0·4888	+6·9751
755	3·0	...	η Bootis	13 48 58·21	77·59	108	+2·8616	−0·0003	+0·0001	−0·005	−8·7972	−8·5089	+0·4566	−8·3098
756	6·0	...	47 Hydræ	13 51 47·27	84·45	3	+3·3564	+0·0107	...	−0·005	−8·8106	−8·5353	+0·5259	+8·4265
757	6·0	1	θ Apodis	13 53 41·25	73·70	6	+5·6661	+0·1471	+0·0041	−0·015	−9·3911	−9·1244	+0·7533	+9·3784
758	5·7	2	Centauri, B.A.C. 4667...	13 54 4·61	77·47	3	+3·6011	+0·0182	+0·0001	−0·010	−8·8812	−8·6163	+0·5564	+8·6860
759	5·0	3	v^2 Centauri	13 54 14·66	80·46	3	+3·7120	+0·0221	+0·0002	−0·008	−8·9182	−8·6541	+0·5696	+8·7679
760	1·2	...	β Centauri	13 55 22·04	76·26	24	+4·1801	+0·0421	+0·0005	−0·009	−9·0647	−8·8056	+0·6212	+9·0013

		s.	s.
No. 722.	P′ and p′ affected with proper motion	+ 0·0013	− 0·0509.
No. 725.	,, ,, ,,	+ 1·2532	− 0·1478.
No. 739.	,, ,, ,,	+ 0·7568	− 0·2200.
No. 755.	,, ,, ,,	− 0·0002	− 0·0990.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
721	98 53 11·81	84·43	3	...	+19·614	−0·0515	−0·0017	+0·01	−9·5982	−9·1792	+1·2926	−9·3189	...	...	17557	1674	...
722	85 56 59·71	84·16	5	...	+19·587	−0·0520	−0·0016	+0·05	−9·6512	+8·8387	+1·2920	−9·3315	...	...	...	1679	7123
723	51 2 1·12	76·23	22	...	+19·571	−0·0493	−0·0013	−0·07	−9·6763	+9·7880	+1·2916	−9·3388	...	...	...	1682	7132
724	93 9 50·93	76·84	3	...	+19·511	−0·0563	−0·0017	−0·02	−9·6237	−8·7300	+1·2903	−9·3640	...	...	17683	...	...
725	176 54 49·56	76·27	17	9	+19·490	−0·1571	−0·0284	+0·18	+9·3258	−9·9870	+1·2898	−9·3719	5325	...	17696	...	7167
726	122 58 33·30	77·41	4	...	+19·490	−0·0604	−0·0020	+0·02	−9·3726	−9·7234	+1·2898	−9·3719	5360	...	17708	...	7166
727	78 23 43·05	84·37	2	...	+19·454	−0·0574	−0·0015	−0·03	−9·6756	+9·2903	+1·2890	−9·3852	...	...	...	...	7178
728	109 56 19·62	84·43	3	...	+19·429	−0·0618	−0·0018	...	−9·5098	−9·5190	+1·2885	−9·3938	...	...	17763	...	...
729	137 49 10·19	80·41	3	...	+19·386	−0·0685	−0·0023	+0·06	−9·0070	−9·8551	+1·2875	−9·4082	5390	4316	17811	1693	7200
730	130 56 41·18	77·42	3	...	+19·375	−0·0675	−0·0021	+0·05	−9·2005	−9·8015	+1·2872	−9·4115	5397	4320	17822	...	7206
731	94 53 52·47	76·95	21	...	+19·283	−0·0663	−0·0016	+0·04	−9·6116	−8·9143	+1·2852	−9·4386	...	...	17912	1707	7228
732	105 33 2·03	84·43	3	...	+19·236	−0·0696	−0·0018	+0·27	−9·5343	−9·4102	+1·2841	−9·4512	...	...	17955	1715	...
733	132 30 9·49	77·42	3	...	+19·201	−0·0762	−0·0021	−0·05	−9·0965	−9·8108	+1·2833	−9·4603	5443	4373	17991	...	7258
734	138 19 3·67	80·41	3	...	+19·186	−0·0786	−0·0024	...	−8·8525	−9·8540	+1·2830	−9·4639	5448	4374	18002	1724	7261
735	112 32 15·50	84·42	3	...	+19·061	−0·0776	−0·0019	+0·04	−9.4497	−9·5615	+1·2801	−9·4924	...	...	18121	...	...
736	100 32 3·66	77·02	25	...	+18·878	−0·0817	−0·0017	+0·02	−9·5621	−9·2358	+1·2760	−9·5281	...	4457	18262	1742	7352
737	138 9 37·90	77·42	3	...	+18·872	−0·0923	−0·0025	+0·04	−8·5731	−9·8458	+1·2758	−9·5292	5330	4455	18264	...	7353
738	129 7 41·00	80·41	3	...	+18·869	−0·0890	−0·0022	+0·08	−9·0894	−9·7736	+1·2757	−9·5297	5531	4458	18268	1743	7355
739	175 10 9·74	76·28	30	20	+18·790	−0·2231	−0·0251	+0·02	+9·4936	−9·9702	+1·2739	−9·5433	5482	4445	18321	1741	7387
740	95 51 0·31	84·42	3	...	+18·717	−0·0858	−0·0017	−0·04	−9·5966	−8·9783	+1·2722	−9·5552	...	...	18379	...	...
741	108 6 34·28	84·44	3	...	+18·672	−0·0900	−0·0019	+0·01	−9·4757	−9·4615	+1·2712	−9·5620	...	...	18413	1751	...
742	129 21 13·62	80·43	3	...	+18·657	−0·0968	−0·0022	+0·08	−9·0129	−9·7708	+1·2708	−9·5642	...	4520	18426	...	7423
743	89 58 54·52	76·57	28	...	+18·575	−0·0884	−0·0016	−0·06	−9·6375	+6·4692	+1·2689	−9·5763	...	...	...	1760	7441
744	133 31 44·70	77·48	3	...	+18·529	−0·1032	−0·0024	+0·03	−8·7088	−9·8037	+1·2679	−9·5826	5598	4550	18502	...	7449
745	139 20 25·38	80·43	3	...	+18·440	−0·1095	−0·0027	0·00	+8·1903	−9·8436	+1·2657	−9·5945	5622	4574	18566	...	7481
746	98 5 47·96	84·42	3	...	+18·345	−0·0967	−0·0017	−0·04	−9·5713	−9·1100	+1·2635	−9·6064	...	...	18613	1777	7506
747	131 27 42·46	77·47	3	...	+18·302	−0·1099	−0·0023	−0·02	−8·7362	−9·7812	+1·2625	−9·6115	5654	4602	18638	...	7520
748	101 49 27·92	79·09	4	...	+18·192	−0·1018	−0·0017	0·00	−9·5295	−9·2692	+1·2599	−9·6241	...	...	18711	1784	...
749	71 56 39·03	83·96	4	...	+18·117	−0·0941	−0·0013	−0·04	−9·7367	+9·4472	+1·2581	−9·6322	...	...	...	...	7553
750	40 5 12·73	74·73	5	...	+18·070	−0·0793	−0·0008	+0·01	−9·7862	+9·8384	+1·2569	−9·6372	...	...	...	1795	...
751	107 32 8·23	84·42	3	...	+18·049	−0·1074	−0·0018	+0·03	−9·4509	−9·4333	+1·2565	−9·6393	...	4653	18793	1794	...
752	125 50 3·23	80·46	3	...	+18·002	−0·1162	−0·0022	...	−8·9720	−9·7206	+1·2553	−9·6441	5706	4659	18826	...	7583
753	121 20 2·58	77·47	3	...	+17·935	−0·1160	−0·0021	+0·05	−9·1397	−9·6675	+1·2537	−9·6507	5725	4669	18855	1803	7599
754	90 54 42·70	84·42	3	...	+17·847	−0·1063	−0·0015	+0·01	−9·6300	−8·1511	+1·2516	−9·6590	...	...	18910	1812	...
755	70 59 59·97	76·05	30	...	+17·830	−0·0993	−0·0012	+0·34	−9·7476	+9·4616	+1·2511	−9·6606	...	...	...	1813	7638
756	114 23 7·60	84·45	3	...	+17·715	−0·1185	−0·0020	+0·03	−9·3046	−9·5620	+1·2483	−9·6708	5777	...	18981	...	7669
757	166 12 58·06	73·70	3	3	+17·637	−0·2004	−0·0083	+0·01	+9·5549	−9·9315	+1·2464	−9·6676	5757	4712	19014	...	7679
758	129 38 23·31	77·47	3	...	+17·621	−0·1291	−0·0024	0·00	−8·4701	−9·7486	+1·2460	−9·6789	5783	4728	19024	...	7685
759	135 1 15·84	80·46	3	...	+17·614	−0·1332	−0·0026	+0·03	+8·4985	−9·7933	+1·2458	−9·6795	5782	4729	19027	1817	7687
760	149 47 34·54	76·23	14	11	+17·566	−0·1508	−0·0036	+0·05	+9·2980	−9·8791	+1·2447	−9·6834	5784	4733	19043	1818	7691

No. 726. Double, Companion, 8 mag., S., preceding.
No. 753. Double, Companion, 9½ mag., S., preceding.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
761	4·0	...	τ Virginis	13 55 32·41	78·42	95	+3·0484	+0·0032	+0·0001	0·000	−8·7665	−8·5082	+0·4841	−7·3358
762	5·0	...	χ Centauri	13 58 43·48	84·46	3	+3·6398	+0·0188	+0·0001	−0·006	−8·8825	−8·6383	+0·5611	+8·6959
763	6·2	2	Centauri, B.A.C. 4687...	13 59 59·41	79·18	7	+3·8181	+0·0250	+0·0002	−0·014	−8·9370	−8·6984	+0·5818	+8·8090
764	7·5	5	Octantis, B. 6414 ...	14 0 54·85	75·87	33	+35·9098	+14·0839	+5·0546	−0·100	−0·4488	−0·2143	+1·5552	+0·4487
765	5·4	1	Virginis, B.A.C. 4700...	14 4 17·20	84·43	3	+3·2667	+0·0078	+0·0001	+0·003	−8·7732	−8·5532	+0·5141	+8·2065
766	4·8	1	κ Virginis	14 6 29·74	84·45	3	+3·1923	+0·0062	+0·0001	0·000	−8·7604	−8·5498	+0·5041	+7·9876
767	4·7	3	δ Octantis	14 7 51·95	75·29	46	+8·9348	+0·5080	+0·0278	−0·067	−9·6738	−9·4690	+0·9511	+9·6706
768	4·2	3	ι Virginis	14 9 43·40	84·48	3	+3·1405	+0·0051	+0·0001	−0·003	−8·7522	−8·5552	+0·4970	+7·7280
769	1·0	...	α Bootis	14 10 11·28	77·54	118	+2·8133	+0·0002	+0·0001	−0·080	−8·7762	−8·5812	+0·4492	−8·3062
770	5·3	3	Centauri, B.A.C. 4744...	14 13 3·44	77·47	3	+3·7963	+0·0219	+0·0001	−0·006	−8·8939	−8·7108	+0·5794	+8·7406
771	5·7	3	Centauri, B.A.C. 4757...	14 15 8·37	80·46	3	+3·5783	+0·0151	+0·0001	−0·007	−8·8262	−8·6517	+0·5537	+8·5764
772	6·5	1	2 Libræ	14 16 58·32	84·46	3	+3·2208	+0·0066	+0·0001	−0·002	−8·7495	−8·5825	+0·5080	+8·0365
773	7·5	4	Octantis	14 20 3·49	75·99	21	+13·7064	+1·3450	+0·1170	−0·010	−9·8801	−9·7256	+1·1369	+9·8790
774	5·0	...	f Bootis	14 20 52·45	83·00	26	+2·7953	+0·0005	+0·0001	−0·005	−8·7625	−8·6112	+0·4464	−8·2917
775	5·0	2	ϕ Virginis...	14 22 1·26	84·47	3	+3·0952	+0·0044	0·0000	−0·010	−8·7348	−8·5881	+0·4907	+7·2042
776	5·5	3	Lupi, B.A.C. 4791 ...	14 22 21·86	77·47	3	+3·9668	+0·0255	+0·0001	−0·007	−8·9170	−8·7717	+0·5984	+8·7946
777	5·7	3	Lupi, B.A.C. 4793 ...	14 22 24·46	80·46	3	+3·8448	+0·0220	+0·0001	−0·010	−8·8829	−8·7378	+0·5849	+8·7308
778	3·6	...	ρ Bootis	14 26 39·45	78·52	94	+2·5946	−0·0008	+0·0001	−0·008	−8·7946	−8·6664	+0·4131	−8·5052
779	6·5	1	Libræ, Lal. 26547 ...	14 27 37·97	84·51	3	+3·3945	+0·0098	0·0000	...	−8·7592	−8·6349	+0·5308	+8·3302
780	3·0	2	η Centauri	14 27 53·50	84·48	3	+3·7870	+0·0195	+0·0001	−0·003	−8·8528	−8·7295	+0·5783	+8·6752
781	6·0	3	Centauri, B.A.C. 4813...	14 27 56·41	80·46	3	+3·7713	+0·0190	+0·0001	−0·013	−8·8485	−8·7254	+0·5765	+8·6653
782	6·4	1	Libræ, B.A.C. 4814 ...	14 28 5·61	84·56	3	+3·3639	+0·0091	0·0000	+0·005	−8·7529	−8·6304	+0·5268	+8·2851
783	6·5	2	z Octantis, B.A.C. 4790...	14 31 5·73	75·31	47	+23·0663	+4·0393	+0·5821	−0·160	−0·1098	−9·9991	+1·3630	+0·1094
784	1·0	...	α^2 Centauri	14 31 27·25	76·20	20	+4·5133	+0·0439	+0·0003	−0·483	−9·0267	−8·9174	+0·6545	+8·9657
785	2·5	...	α^1 Centauri	14 31 27·66	74·88	5	+4·5133	+0·0439	+0·0003	−0·483	−9·0267	−8·9174	+0·6545	+8·9657
786	8·1	3	Libræ, Lal. 26684 ...	14 32 42·75	83·50	3	+3·3308	+0·0083	0·0000	...	−8·7396	−8·6352	+0·5225	+8·2146
787	8·2	3	Libræ, Lal. 26690 ...	14 33 3·13	83·56	3	+3·3927	+0·0095	0·0000	...	−8·7492	−8·6461	+0·5305	+8·3065
788	6·8	3	Libræ, Lal. 26719 ...	14 34 40·38	83·50	3	+3·3667	+0·0090	0·0000	...	−8·7419	−8·6451	+0·5272	+8·2635
789	7·9	3	Libræ, Lal. 26730 ..	14 35 5·91	83·57	3	+3·3469	+0·0086	0·0000	...	−8·7380	−8·6428	+0·5246	+8·2315
790	5·0	3	Centauri, B.A.C. 4852...	14 36 19·18	80·46	3	+3·6550	+0·0151	0·0000	−0·008	−8·7987	−8·7083	+0·5629	+8·5536
791	4·2	2	μ Virginis	14 36 44·31	84·47	3	+3·1483	+0·0052	0·0000	+0·006	−8·7150	−8·6263	+0·4981	+7·6669
792	7·5	3	Libræ, Lal. 26842 ...	14 38 53·37	83·50	3	+3·4158	+0·0097	0·0000	...	−8·7425	−8·6620	+0·5335	+8·3142
793	5·4	3	Libræ, Lal. 26855 ...	14 39 13·57	83·57	3	+3·4294	+0·0100	0·0000	...	−8·7442	−8·6651	+0·5352	+8·3297
794	6·1	3	Libræ, B.A.C. 4867 ...	14 39 22·58	83·55	3	+3·3954	+0·0093	0·0000	...	−8·7380	−8·6594	+0·5309	+8·2857
795	2·3	...	ϵ^2 Bootis	14 39 44·75	77·77	76	+2·6240	0·0000	+0·0001	−0·005	−8·7610	−8·6838	+0·4190	−8·4265
796	3·8	1	109 Virginis	14 40 10·99	84·48	3	+3·0363	+0·0037	0·0000	−0·009	−8·7082	−8·6328	+0·4823	−7·3301
797	5·7	3	8 Libræ	14 44 3·05	84·49	3	+3·3156	+0·0077	0·0000	−0·010	−8·7177	−8·6570	+0·5206	+8·1445
798	6·0	2	Octantis, B.A.C. 4883...	14 44 3·54	75·69	34	+9·7849	+0·4657	+0·0165	−0·024	−9·5890	−9·5284	+0·9906	+9·5853
799	2·3	...	α^2 Libræ	14 44 14·49	78·60	130	+3·3166	+0·0077	0·0000	−0·009	−8·7175	−8·6576	+0·5207	+8·1455
800	7·3	3	Libræ, Lal. 27003 ...	14 44 19·51	83·50	3	+3·4518	+0·0101	0·0000	...	−8·7383	−8·6787	+0·5380	+8·3366

				s.	″
No. 767.	P′ and p′ affected with proper motion			+0·5037	−0·3434.
No. 768.	,,	,,	,,	+0·0053	−0·1262.
No. 783.	,,	,,	,,	+4·0212	−1·0194.
No. 784.	,,	,,	,,	+0·0364	−0·1667.
No. 791.	,,	,,	,,	+0·0053	−0·1489.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
761	87 52 26·55	77·10	25	...	+17·559	−0·1112	−0·0015	+0.03	−9·6546	+8·5116	+1·2445	−9·6840	...	...	...	...	7692
762	130 36 13·11	84·46	3	...	+17·423	−0·1351	−0·0024	+0·02	−7·8534	−9·7524	+1·2411	−9·6948	5810	4757	19107	1824	7710
763	138 7 46·96	79·18	7	...	+17·368	−0·1430	−0·0028	+0·05	+8·9176	−9·8095	+1·2397	−9·6989	5818	4768	19140	...	7725
764	178 49 33·13	76·37	17	11	+17·328	−1·3220	−0·5413	0·00	+9·6941	−9·9364	+1·2387	−9·7020	...	4614	19098	...	7731
765	105 44 2·92	84·41	3	...	+17·177	−0·1266	−0·0017	+0·01	−9·4435	−9·3660	+1·2349	−9·7127	...	4797	19222	...	...
766	99 42 51·61	84·45	3	...	+17·076	−0·1257	−0·0017	−0·14	−9·5304	−9·1574	+1·2324	−9·7196	...	...	19272	1843	7771
767	173 6 56·12	77·36	25	19	+17·014	−0·3485	−0·0246	−0·01	+9·6754	−9·9254	+1·2308	−9·7238	5802	4790	19284	1836	7780
768	95 25 38·01	84·47	3	...	+16·926	−0·1264	−0·0016	+0·42	−9·5812	−8·9022	+1·2286	−9·7294	...	...	19324	1847	...
769	70 11 31·60	75·56	34	...	+16·904	−0·1140	−0·0012	+1·98	−9·7712	+9·4558	+1·2280	−9·7308	...	4840	...	1848	7795
770	134 37 54·51	77·47	3	...	+16·768	−0·1554	−0·0026	+0·07	+8·8842	−9·7690	+1·2245	−9·7392	5891	4859	19379	1854	7819
771	124 14 14·00	80·46	3	...	+16·667	−0·1487	−0·0023	0·00	−8·6612	−9·6699	+1·2219	−9·7451	5907	4879	19435	1860	7835
772	101 9 53·81	84·46	3	...	+16·578	−0·1357	−0·0017	+0·08	−9·5006	−9·2043	+1·2195	−9·7503	...	...	19475	...	...
773	175 52 26·42	76·17	16	12	+16·425	−0·5770	−0·0645	+0·02	+9·7333	−9·9121	+1·2155	−9·7588	...	...	19532	...	...
774	70 13 57·37	83·98	4	...	+16·383	−0·1211	−0·0011	−0.03	−9·7806	+9·4414	+1·2144	−9·7609	...	...	...	...	7882
775	91 41 20·93	84·47	3	...	+16·325	−0·1346	−0·0014	0·00	−9·6197	−8·3801	+1·2129	−9·7640	...	...	19591	...	...
776	138 58 51·73	77·47	3	...	+16·308	−0·1680	−0·0029	+0·10	+9·1885	−9·7878	+1·2124	−9·7649	5950	4928	19597	1872	7890
777	134 47 1·39	80·46	3	...	+16·305	−0·1667	−0·0027	+0·01	+9·0092	−9·7580	+1·2123	−9·7650	5951	4930	19598	1874	7892
778	59 6 4·48	77·97	19	...	+16·086	−0·1161	−0·0009	−0·12	−9·8318	+9·6148	+1·2064	−9·7761	...	...	...	...	7928
779	111 51 43·34	84·51	3	...	+16·035	−0·1521	−0·0019	...	−9·2530	−9·4738	+1·2051	−9·7785	...	...	...	...	...
780	131 37 46·68	84·48	3	...	+16·021	−0·1695	−0·0026	+0·01	+8·8765	−9·7249	+1·2047	−9·7792	5993	4968	19737	1887	7935
781	130 59 22·95	80·46	3	...	+16·019	−0·1689	−0·0025	−0·05	+8·8267	−9·7193	+1·2046	−9·7793	5994	4969	19741	...	7936
782	109 54 42·39	84·56	4	...	+16·011	−0·1511	−0·0018	−0·03	−9·3072	−9·4344	+1·2044	−9·7797	...	...	19744	1889	...
783	177 39 16·51	75·68	23	15	+15·852	−0·0336	−0·1943	+0·05	+9·7740	−9·8975	+1·2001	−9·7871	5823	4886	19776	1869	7960
784	150 20 21·31	76·57	13	9	+15·832	−0·2054	−0·0040	−0·75	+9·5033	−9·8363	+1·1995	−9·7880	6017	4991	19825	1899	7964
785	150 20 17·99	75·93	5	3	+15·832	−0·2054	−0·0040	−0·75	+9·5033	−9·8363	+1·1995	−9·7880	6014	4990	19826	1898	7965
786	107 22 2·55	83·50	3	...	+15·764	−0·1535	−0·0017	...	−9·3610	−9·3704	+1·1977	−9·7911	...	...	...	...	...
787	111 9 14·22	83·56	3	...	+15·746	−0·1566	−0·0018	...	−9·2580	−9·4523	+1·1972	−9·7919	...	...	...	...	...
788	109 24 41·78	83·50	3	...	+15·658	−0·1567	−0·0018	...	−9·3044	−9·4141	+1·1947	−9·7957	...	...	...	...	...
789	108 9 17·78	83·57	4	...	+15·634	−0·1562	−0·0018	...	−9·3367	−9·3855	+1·1941	−9·7967	...	...	...	...	...
790	124 39 21·03	80·46	3	...	+15·567	−0·1713	−0·0022	+0·19	+7·1990	−9·6448	+1·1922	−9·7996	6063	5029	19931	1910	8008
791	95 8 7·82	84·47	3	...	+15·544	−0·1484	−0·0015	+0·30	−9·5747	−8·8412	+1·1916	−9·8006	...	...	19941	1912	8013
792	111 54 8·25	83·50	3	...	+15·424	−0·1625	−0·0018	...	−9·2153	−9·4577	+1·1882	−9·8055	...	...	...	...	...
793	112 38 38·33	83·57	3	...	+15·406	−0·1634	−0·0019	...	−9·1874	−9·4709	+1·1877	−9·8063	...	...	20002	...	...
794	110 39 57·10	83·55	3	...	+15·397	−0·1619	−0·0018	...	−9·2549	−9·4329	+1·1874	−9·8066	...	...	20010	...	...
795	62 25 9·00	75·24	29	...	+15·377	−0·1261	−0·0009	−0·01	−9·8336	+9·5502	+1·1869	−9·8075	...	...	...	1925	8039
796	87 36 1·65	84·48	3	...	+15·352	−0·1457	−0·0014	+0·03	−9·6632	+8·5058	+1·1862	−9·8085	...	...	...	1927	...
797	105 29 49·36	84·49	3	...	+15·132	−0·1619	−0·0017	+0·09	−9·3852	−9·3045	+1·1799	−9·8170	...	5084	20117	1942	...
798	172 33 13·05	75·93	10	7	+15·132	−0·4715	−0·0275	+0·01	+9·7741	−9·8740	+1·1799	−9·8171	...	5046	20104	...	8083
799	105 32 31·33	76·18	32	...	+15·121	−0·1621	−0·0017	+0·07	−9·3838	−9·3054	+1·1796	−9·8175	...	...	20119	1943	8084
800	113 21 39·72	83·50	3	...	+15·116	−0·1686	−0·0018	...	−9·1390	−9·4755	+1·1794	−9·8176	...	...	20123	...	...

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
801	5·0	2	Lupi, B.A.C. 4901 ...	14 45 19·44	84·52	3	+3·7451	+0·0163	0·0000	...	−8·7989	−8·7431	+0·5735	+8·5815
802	6·3	3	Centauri, B.A.C. 4912	14 47 18·30	80·46	3	+3·6471	+0·0139	0·0000	−0·006	−8·7716	−8·7234	+0·5619	+8·5055
803	5·9	2	ξ^2 Libræ	14 50 15·48	84·47	3	+3·2469	+0·0065	0·0000	−0·001	−8·6990	−8·6621	+0·5115	+7·9767
804	5·7	1	δ Libræ	14 54 33·80	84·47	3	+3·2027	+0·0058	0·0000	−0·005	−8·6877	−8·6671	+0·5055	+7·8335
805	3·3	3	20 Libræ	14 57 2·91	84·50	3	+3·5037	+0·0104	0·0000	−0·007	−8·7210	−8·7098	+0·5445	+8·3438
806	3·0	...	β Bootis	14 57 25·54	74·05	6	+2·2637	0·0000	0·0000	−0·005	−8·7995	−8·7898	+0·3548	−8·6153
807	5·5	3	Lupi, B.A.C. 4954 ...	14 57 31·55	80·50	3	+3·8737	+0·0179	0·0000	0·000	−8·7976	−8·7882	+0·5881	+8·6110
808	4·3	...	ψ Bootis	14 59 18·21	78·12	87	+2·5835	+0·0006	0·0000	−0·014	−8·7264	−8·7238	+0·4122	−8·3896
809	4·1	2	λ Lupi	15 0 45·86	84·48	3	+4·0148	+0·0209	0·0000	0·000	−8·8211	−8·8240	+0·6037	+8·6692
810	5·3	3	Lupi, B.A.C. 4994 ...	15 4 46·26	80·50	3	+4·0055	+0·0201	0·0000	−0·005	−8·8076	−8·8256	+0·6027	+8·6497
811	4·5	3	ι^1 Libræ	15 5 22·90	84·49	3	+3·4118	+0·0085	0·0000	−0·004	−8·6882	−8·7086	+0·5330	+8·2081
812	3·3	3	γ Trianguli Australis ...	15 7 43·73	74·01	12	+5·5185	+0·0699	+0·0002	−0·018	−9·0891	−9·1184	+0·7418	+9·0570
813	5·3	3	μ Lupi	15 10 11·50	80·53	4	+4·1463	+0·0226	0·0000	−0·005	−8·8229	−8·8616	+0·6177	+8·6901
814	6·7	3	Lupi, B.A.C. 5029 ...	15 10 13·24	80·50	3	+4·1466	+0·0226	0·0000	...	−8·8229	−8·8617	+0·6177	+8·6901
815	2·0	...	β Libræ	15 10 33·04	78·67	116	+3·2277	+0·0059	0·0000	−0·008	−8·6578	−8·6978	+0·5089	+7·8492
816	5·5	4	ρ Octantis	15 15 51·90	75·64	45	+12·7649	+0·6909	+0·0177	+0·095	−9·6263	−9·6866	+1·1060	+9·6239
817	6·2	3	8 Serpentis	15 17 32·60	84·49	3	+3·0828	+0·0043	0·0000	+0·005	−8·6375	−8·7042	+0·4889	+6·6527
818	5·7	2	Lupi, B.A.C. 5069 ...	15 17 33·64	80·50	3	+3·8741	+0·0157	0·0000	−0·007	−8·7427	−8·8095	+0·5882	+8·5350
819	4·0	...	ζ^1 Libræ	15 21 29·39	78·17	63	+3·3734	+0·0074	0·0000	0·000	−8·6464	−8·7283	+0·5281	+8·0945
820	5·6	3	37 Libræ	15 27 37·22	84·51	3	+3·2513	+0·0058	0·0000	+0·019	−8·6204	−8·7261	+0·5121	+7·8448
821	5·7	3	Lupi, B.A.C. 5123 ...	15 27 37·83	80·50	3	+4·1083	+0·0191	−0·0001	0·000	−8·7613	−8·8671	+0·6137	+8·6074
822	3·9	2	γ Libræ	15 28 48·86	84·51	3	+3·3434	+0·0068	0·0000	+0·004	−8·6251	−8·7355	+0·5242	+8·0204
823	2·0	...	α Coronæ Bor.	15 29 36·40	78·33	95	+2·5298	+0·0012	0·0000	+0·008	−8·6599	−8·7734	+0·4031	−8·3187
824	5·2	2	41 Libræ	15 32 0·10	84·50	3	+3·4380	+0·0078	0·0000	+0·006	−8·6274	−8·7503	+0·5363	+8·1380
825	5·7	3	ψ^1 Lupi	15 32 8·84	80·50	3	+3·7934	+0·0128	−0·0001	−0·045	−8·6845	−8·8080	+0·5790	+8·4323
826	5·9	2	η Libræ	15 37 19·37	84·53	4	+3·3692	+0·0068	0·0000	−0·003	−8·6053	−8·7493	+0·5275	+8·0264
827	2·3	...	α Serpentis	15 38 21·48	79·08	73	+2·9423	+0·0031	0·0000	+0·008	−8·5900	−8·7381	+0·4687	−7·6636
828	6·3	3	Lupi, B.A.C. 5199 ...	15 39 4·48	80·50	3	+3·8174	+0·0126	−0·0001	−0·003	−8·6680	−8·8190	+0·5818	+8·4190
829	3·2	1	μ Serpentis	15 43 21·54	84·50	3	+3·1315	+0·0044	0·0000	−0·008	−8·5739	−8·7423	+0·4958	+7·3015
830	5·3	3	κ Trianguli Australis ...	15 43 39·44	80·50	3	+5·8467	+0·0622	−0·0004	+0·001	−9·0034	−9·1730	+0·7669	+8·9713
831	3·3	...	ϵ Serpentis	15 44 50·11	78·85	68	+2·9783	+0·0033	0·0000	+0·007	−8·5707	−8·7451	+0·4740	−7·4969
832	7·5	3	Octantis	15 45 21·96	77·29	27	+65·6198	+19·3951	+1·2321	−0·130	−0·3174	−0·4941	+1·8170	+0·3173
833	5·0	2	ξ Lupi	15 49 13·29	80·50	3	+3·8202	+0·0117	−0·0001	0·000	−8·6359	−8·8285	+0·5821	+8·3791
834	5·3	1	48 Libræ	15 51 28·24	84·52	3	+3·3532	+0·0061	0·0000	−0·002	−8·5627	−8·7647	+0·5255	+7·9443
835	2·4	2	δ Scorpii	15 53 14·31	84·55	3	+3·5384	+0·0079	−0·0001	−0·002	−8·5780	−8·7875	+0·5488	+8·1568
836	5·7	3	Lupi, B.A.C. 5311 ...	15 55 25·50	80·50	3	+3·9749	+0·0133	−0·0001	−0·005	−8·6426	−8·8614	+0·5993	+8·4345
837	7·7	2	Scorpii, Lal. 29185 ...	15 57 2·00	72·90	3	+3·4778	+0·0071	0·0000	...	−8·5579	−8·7836	+0·5413	+8·0800
838	2·0	...	β^1 Scorpii	15 58 27·61	78·95	112	+3·4802	+0·0071	0·0000	−0·003	−8·5535	−8·7853	+0·5416	+8·0764
839	6·1	3	11 Scorpii	16 0 56·59	84·54	3	+3·3280	+0·0056	0·0000	−0·004	−8·5301	−8·7728	+0·5222	+7·8627
840	6·7	3	Scorpii, B.A.C. 5355 ...	16 1 53·39	80·55	3	+3·8085	+0·0105	−0·0001	−0·006	−8·5898	−8·8366	+0·5808	+8·3179

		s.	″
No. 816.	P′ and p′ affected with proper motion	+ 0·6931	− 0·7154.
No. 820.	,, ,, ,,	+ 0·0060	− 0·1920.
No. 825.	,, ,, ,,	+ 0·0126	− 0·2183.
No. 832.	,, ,, ,,	+ 19·3892	− 3·9695.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d″					
	° ′ ″				″	″	″	″									
801	127 18 28·37	84·52	3	...	+15·059	−0·1836	−0·0023	0·00	+8·7417	−9·6581	+1·1778	−9·8198	6124	5090	20132	1945	8090
802	122 48 34·67	80·46	3	...	+14·944	−0·1805	−0·0021	0·00	−7·5198	−9·6061	+1·1745	−9·8240	6137	5104	20183	...	8115
803	100 55 27.04	84·47	3	...	+14·770	−0·1633	−0·0015	+0·01	−9·4740	−9·1448	+1·1694	−9·8302	...	...	20249	1964	8137
804	98 2 29·30	84·47	3	...	+14·513	−0·1642	−0·0014	0·00	−9·5225	−9·0053	+1·1617	−9·8389	...	...	20363	1971	...
805	114 48 33·17	84·50	3	...	+14·362	−0·1814	−0·0019	+0·03	−9·0042	−9·4778	+1·1572	−9·8438	6212	5169	20431	1975	8192
806	49 8 8·35	74·05	6	...	+14·339	−0·1185	−0·0006	+0·04	−9·8952	+9·6701	+1·1565	−9·8445	...	...	...	1979	...
807	130 35 50·74	80·50	3	...	+14·332	−0·2006	−0·0024	+0·01	+9·0994	−9·6675	+1·1563	−9·8447	6209	5171	20444	1977	8195
808	62 35 1·17	76·31	27	...	+14·223	−0·1358	−0·0009	+0·01	−9·8511	+9·5140	+1·1530	−9·8482	...	...	...	...	8212
809	134 48 59·64	84·47	3	...	+14·133	−0·2107	−0·0027	+0·03	+9·2839	−9·6961	+1·1502	−9·8509	6232	5185	20514	1985	8225
810	134 2 43·73	80·50	3	...	+13·882	−0·2138	−0·0026	0·00	+9·2785	−9·6824	+1·1424	−9·8583	6257	5219	20591	1995	8259
811	109 20 11·71	84·49	3	...	+13·843	−0·1830	−0·0017	+0·04	−9·2300	−9·3590	+1·1412	−9·8594	...	...	20601	1996	8261
812	158 14 2·76	74·02	6	6	+13·694	−0·2969	−0·0061	+0·06	+9·7140	−9·8022	+1·1365	−9·8636	6255	5227	20657	1999	8280
813	137 25 55·03	80·53	4	...	+13·536	−0·2260	−0·0028	+0·08	+9·3978	−9·6964	+1·1315	−9·8680	6296	5260	20713	2005	8307
814	137 26 9·83	80·50	3	...	+13·534	−0·2260	−0·0028	+0·05	+9·3980	−9·6964	+1·1314	−9·8680	...	5261	20714	2006	8308
815	98 56 20·24	76·98	26	...	+13·513	−0·1768	−0·0014	+0·02	−9·4966	−9·0199	+1·1307	−9·8686	...	5270	20723	2009	8313
816	174 3 36·31	76·38	30	22	+13·166	−0·7050	−0·0440	−0·08	+9·8484	−9·8149	+1·1195	−9·8775	6216	5240	20818	2007	8363
817	90 35 36·46	84·49	3	...	+13·054	−0·1734	−0·0012	+0·02	−9·6294	−7·8288	+1·1158	−9·8803	...	...	20864	...	...
818	128 18 24·28	80·50	3	...	+13·053	−0·2172	−0·0022	+0·03	+9·1143	−9·6058	+1·1157	−9·8803	6361	5313	20861	2029	8378
819	106 17 48·19	76·49	22	...	+12·790	−0·1922	−0·0015	+0·05	−9·3017	+9·2528	+1·1069	−9·8866	...	...	20960	2036	8414
820	99 39 6·16	84·51	3	...	+12·373	−0·1892	−0·0013	+0·23	−9·4710	−9·0147	+1·0925	−9·8960	...	...	21096	...	...
821	134 33 17·23	80·50	3	...	+12·372	−0·2384	−0·0025	+0·06	+9·3856	−9·6363	+1·0924	−9·8960	6424	5384	21095	2047	8468
822	104 23 16·41	84·51	3	...	+12·290	−0·1953	−0·0014	−0·02	−9·3501	−9·1827	+1·0896	−9·8977	...	...	21127	2050	...
823	62 52 50·31	75·16	31	...	+12·235	−0·1488	−0·0007	+0·09	−9·8735	+9·4442	+1·0876	−9·8989	...	...	...	2056	8483
824	108 54 19·42	84·50	3	...	+12·069	−0·2028	−0·0015	+0·07	−9·1810	−9·2900	+1·0817	−9·9023	...	...	21202	2060	...
825	124 1 7·09	80·50	3	...	+12·058	−0·2236	−0·0020	0·00	+8·9415	−9·5269	+1·0813	−9·9026	6463	5410	21207	2059	8502
826	105 17 20·48	84·54	3	...	+11·694	−0·2021	−0·0013	+0·07	−9·3103	−9·1868	+1·0680	−9·9098	...	...	21327	2072	...
827	83 11 44·92	76·77	26	...	+11·620	−0·1773	−0·0009	−0·06	−9·7222	+8·8366	+1·0652	−9·9112	...	5473	...	2074	8557
828	124 18 18·55	80·50	3	...	+11·569	−0·2298	−0·0019	...	+9·0085	−9·5120	+1·0633	−9·9121	6514	5468	21360	2075	8563
829	93 3 42·20	84·50	3	...	+11·261	−0·1913	−0·0011	0·00	−9·5900	−8·4770	+1·0516	−9·9177	...	...	21457	...	8604
830	158 14 33·25	80·50	3	...	+11·239	−0·3555	−0·0057	+0·02	+9·7842	−9·7164	+1·0507	−9·9181	6518	5491	21460	2085	8607
831	85 9 36·09	76·94	26	...	+11·153	−0·1827	−0·0010	−0·06	−9·7011	+8·6714	+1·0474	−9·9196	...	...	...	...	8617
832	178 58 50·51	75·63	10	16	+11·113	−3·9853	−1·2054	+0·02	+9·9162	−9·7436	+1·0458	−9·9203	...	...	21385	...	...
833	123 36 47·70	80·50	3	...	+10·832	−0·2368	−0·0018	+0·02	+9·0193	−9·4757	+1·0347	−9·9251	6592	5535	21586	2106	8655
834	103 55 54·82	84·52	3	...	+10·666	−0·2093	−0·0012	+0·02	−9·3369	−9·1074	+1·0280	−9·9278	...	...	21634	2116	...
835	112 26 43·80	84·55	3	...	+10·535	−0·2218	−0·0014	+0·03	−8·8970	−9·2992	+1·0226	−9·9299	...	5560	21685	2122	8696
836	128 15 57·44	80·50	3	...	+10·372	−0·2503	−0·0020	...	+9·2774	−9·5056	+1·0158	−9·9324	6644	5571	...	2126	8715
837	109 26 2·21	72·82	4	...	+10·251	−0·2201	−0·0013	...	−9·0905	−9·2306	+1·0108	−9·9342	...	...	21777	...	...
838	109 28 32·07	77·12	25	...	+10·143	−0·2211	−0·0013	+0·03	−9·0843	−9·2269	+1·0062	−9·9358	...	...	21805	2133	8743
839	102 25 16·32	84·53	3	...	+ 9·955	−0·2128	−0·0011	+0·03	−9·3747	−9·0285	+0·9981	−9·9386	...	...	21863	...	...
840	122 19 42·10	80·55	3	...	+ 9·883	−0·2438	−0·0016	+0·02	+8·9943	−9·4209	+0·9949	−9·9396	6706	5613	21875	...	8776

No. 813. Close double, 6 and 6½ mag^{s}. Mean observed.
No. 821. Close double, Companion, 7 mag., S. preceding.
No. 833. Double, Companion, 7 mag., N., following $^{s}0{\cdot}84$.
No. 840. Double, Companion, 7½ mag., $^{s}_{''}0{\cdot}5$ N., following $^{s}0{\cdot}63$.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precesssion. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
841	5·4	4	δ^1 Apodis	16 2 28·21	76·80	29	+8·7422	+0·1698	−0·0025	+0·001	−9·2109	−9·4603	+0·9416	+9·2019
842	4·0	...	ϕ Herculis	16 4 29·29	73·99	5	+1·8900	+0·0023	0·0000	−0·010	−8·6585	−8·9192	+0·2765	−8·5099
843	6·0	3	Normæ, B.A.C. 5397 ...	16 7 3·46	80·56	3	+4·1552	+0·0145	−0·0002	−0·015	−8·6319	−8·9019	+0·6186	+8·4623
844	3·0	...	δ Ophiuchi	16 8 3·46	78·95	91	+3·1421	+0·0041	0·0000	−0·005	−8·4961	−8·7707	+0·4972	+7·2671
845	7·4	3	Scorpii	16 9 46·30	84·62	3	+3·9803	+0·0118	−0·0001	...	−8·5894	−8·8719	+0·5999	+8·3734
846	3·3	3	ϵ Ophiuchi	16 11 58·31	84·51	3	+3·1640	+0·0041	0·0000	+0·004	−8·4823	−8·7750	+0·5002	+7·3671
847	6·0	2	Normæ, B.A.C. 5442 ...	16 13 30·22	80·55	3	+4·4610	+0·0181	−0·0003	−0·005	−8·6609	−8·9608	+0·6494	+8·5405
848	3·3	...	τ Herculis	16 16 8·01	74·21	5	+1·8013	+0·0026	0·0000	−0·005	−8·6282	−8·9407	+0·2556	−8·4895
849	6·6	3	Scorpii, B.A.C. 5457 ...	16 16 31·65	84·62	3	+3·9882	+0·0112	−0·0002	−0·012	−8·5630	−8·8773	+0·6008	+8·3453
850	6·3	6	Octantis, B.A.C. 5412...	16 16 32·52	76·61	50	+20·8625	+1·2118	−0·0509	0·000	−9·6345	−9·9490	+1·3194	+9·6335
851	3·1	...	γ Herculis	16 16 37·56	83·69	9	+2·6478	+0·0019	0·0000	−0·005	−8·4888	−8·8036	+0·4229	−8·0109
852	5·0	2	ψ Ophiuchi	16 17 4·90	84·52	3	+3·5049	+0·0064	−0·0001	−0·002	−8·4879	−8·8049	+0·5447	+8·0168
853	7·8	2	Scorpii	16 19 26·09	84·61	3	+3·9910	+0·0109	−0·0002	...	−8·5510	−8·8795	+0·6011	+8·3324
854	6·5	2	Scorpii, B.A.C. 5488 ...	16 20 14·79	80·55	3	+3·9828	+0·0108	−0·0002	...	−8·5460	−8·8785	+0·6002	+8·3245
855	1·3	...	α Scorpii	16 22 3·02	78·49	115	+3·6701	+0·0075	−0·0001	−0·002	−8·4884	−8·8299	+0·5647	+8·1328
856	5·2	3	ϕ Ophiuchi	16 24 16·25	84·53	3	+3·4308	+0·0055	−0·0001	−0·005	−8·4500	−8·8028	+0·5354	+7·8995
857	7·2	2	Scorpii	16 25 25·89	84·65	3	+3·9948	+0·0104	−0·0002	...	−8·5247	−8·8834	+0·6015	+8·3040
858	6·9	3	Scorpii	16 25 39·49	84·61	3	+3·9998	+0·0104	−0·0002	...	−8·5245	−8·8844	+0·6020	+8·3052
859	5·0	2	β Apodis	16 25 58·80	73·67	15	+8·4956	+0·1216	−0·0037	−0·095	−9·0813	−9·4429	+0·9292	+9·0705
860	7·7	1	Scorpii	16 27 54·60	84·65	3	+4·0033	+0·0102	−0·0002	...	−8·5145	−8·8861	+0·6024	+8·2950
861	5·0	2	Scorpii, B.A.C. 5538 ...	16 28 28·71	80·55	3	+3·9350	+0·0094	−0·0002	−0·005	−8·5003	−8·8750	+0·5949	+8·2590
862	6·3	...	12 Ophiuchi	16 30 3·29	84·56	3	+3·1169	+0·0034	0·0000	+0·026	−8·4068	−8·7899	+0·4937	+6·9640
863	2·6	...	ζ Ophiuchi	16 30 33·12	83·27	27	+3·2975	+0·0044	−0·0001	−0·001	−8·4113	−8·7970	+0·5182	+7·6646
864	6·0	...	Ophiuchi, B.A.C. 5579	16 34 38·04	84·55	3	+3·4652	+0·0052	−0·0001	−0·002	−8·4055	−8·8137	+0·5397	+7·8839
865	6·0	3	14 Ophiuchi	16 35 37·84	84·63	3	+3·0416	+0·0030	0·0000	−0·009	−8·3802	−8·7939	+0·4831	−6·7718
866	6·5	2	Scorpii, B.A.C. 5588 ...	16 35 55·80	80·55	3	+3·8484	+0·0080	−0·0001	+0·002	−8·4496	−8·8650	+0·5853	+8·1723
867	2·0	...	α Trianguli Aust. ...	16 35 58·32	75·69	48	+6·2907	+0·0452	−0·0013	+0·003	−8·8202	−9·2359	+0·7987	+8·7898
868	2·6	...	ζ Herculis	16 36 45·72	77·95	48	+2·2968	+0·0016	0·0000	−0·036	−8·4452	−8·8653	+0·3611	−8·1672
869	7·2	2	Scorpii	16 40 34·14	84·63	3	+4·0210	+0·0090	−0·0002	...	−8·4528	−8·8951	+0·6043	+8·2326
870	3·0	3	ϵ Scorpii	16 42 23·49	80·55	3	+3·9253	+0·0080	−0·0002	−0·050	−8·4271	−8·8803	+0·5939	+8·1755
871	5·0	...	20 Ophiuchi	16 43 11·74	84·55	3	+3·3079	+0·0040	−0·0001	+0·005	−8·3484	−8·8065	+0·5196	+7·6118
872	6·0	1	Scorpii, B.A.C. 5681 ...	16 48 14·97	80·56	3	+4·1636	+0·0094	−0·0002	−0·001	−8·4322	−8·9221	+0·6195	+8·2459
873	3·0	2	ζ Aræ	16 48 41·64	73·86	12	+4·9450	+0·0174	−0·0005	0·000	−8·5600	−9·0527	+0·6942	+8·4775
874	5·8	2	24 Ophiuchi	16 49 33·83	84·55	3	+3·6121	+0·0053	−0·0001	0·000	−8·3405	−8·8389	+0·5578	+7·9316
875	3·3	...	κ Ophiuchi	16 51 59·21	78·62	82	+2·8569	+0·0022	0·0000	−0·021	−8·2960	−8·8106	+0·4559	−7·5164
876	7·0	1	Scorpii, B.A.C. 5721 ...	16 54 41·51	80·55	3	+3·8766	+0·0065	−0·0002	−0·007	−8·3448	−8·8780	+0·5884	+8·0699
877	4·7	3	30 Ophiuchi	16 54 43·91	84·59	3	+3·1630	+0·0030	0·0000	−0·005	−8·2736	−8·8071	+0·5001	+7·1216
878	7·1	4	Octantis	16 55 57·58	76·71	27	+30·0007	+1·5962	−0·3164	−0·080	−9·5863	−0·1285	+1·4771	+9·5858
879	7·0	1	Trianguli Aust., B.A.C. 5727	16 56 21·62	71·64	3	+6·3665	+0·0349	−0·0016	0·000	−8·7012	−9·2463	+0·8039	+8·6705
880	5·3	3	Scorpii, B.A.C. 5772 ...	17 2 0·66	80·58	3	+4·3399	+0·0089	−0·0003	−0·009	−8·3684	−8·9559	+0·6375	+8·2133

		s.	″
No. 859.	P′ and p′ affected with proper motion	+ 0·1241	− 0·5572.
No. 862.	,, ,, ,,	+ 0·0036	− 0·2150.
No. 868.	,, ,, ,,	+ 0·0014	− 0·1531.
No. 870.	,, ,, ,,	+ 0·0083	− 0·2707.
No. 878.	,, ,, ,,	+ 1·5917	− 2·0927.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
841	168 23 21·98	76·00	6	2	+9·839	−0·5575	−0·0136	+0·02	+9·8843	−9·6818	+0·9930	−9·9402	6623	5584	21881	2136	8784
842	44 45 1·53	73·99	5	...	+9·647	−0·1229	−0·0004	−0·04	−9·9676	+9·5335	+0·9844	−9·9428	...	...	...	...	...
843	132 35 36·99	80·55	4	...	+9·487	−0·2690	−0·0020	−0·03	+9·4423	−9·5054	+0·9771	−9·9450	6739	5646	21991	...	8827
844	93 23 2·81	76·16	30	...	+9·410	−0·2043	−0·0009	+0·14	−9·5809	−8·4425	+0·9736	−9·9460	...	...	22017	...	8838
845	127 27 10·04	84·62	4	...	+9·278	−0·2593	−0·0017	...	+9·2893	−9·4492	+0·9674	−9·9477	...	...	22054	...	...
846	94 23 54·47	84·51	3	...	+9·106	−0·2075	−0·0009	−0·03	−9·5614	−8·5419	+0·9593	−9·9499	...	...	22111	...	...
847	139 17 1·08	80·55	3	...	+8·987	−0·2927	−0·0022	+0·03	+9·5961	−9·5310	+0·9536	−9·9513	6790	5692	22147	2169	8883
848	43 24 2·40	73·99	5	...	+8·781	−0·1200	−0·0003	−0·04	−9·9783	+9·5026	+0·9435	−9·9538	...	...	...	2181	...
849	127 17 2·55	84·62	3	...	+8·750	−0·2635	−0·0017	+0·01	+9·3007	−9·4221	+0·9420	−9·9541	6816	5718	22208	...	8913
850	176 7 53·76	76·07	23	29	+8·749	−1·3707	−0·0862	+0·04	+9·9388	−9·6387	+0·9419	−9·9542	6545	5607	22180	2153	8914
851	70 33 49·75	83·88	3	...	+8·742	−0·1756	−0·0006	−0·05	−9·8504	+9·1615	+0·9416	−9·9542	...	...	...	...	8915
852	109 45 18·87	84·52	3	...	+8·706	−0·2320	−0·0011	+0·07	−9·0164	−9·1665	+0·9398	−9·9546	...	...	22219	2179	...
853	127 12 8·52	84·59	3	...	+8·520	−0·2653	−0·0016	...	+9·3048	−9·4097	+0·9304	−9·9568	...	...	22265	...	...
854	126 54 28·17	80·55	3	...	+8·456	−0·2651	−0·0016	...	+9·2958	−9·4035	+0·9271	−9·9575	6842	5736	22285	...	8943
855	116 9 50·27	76·74	30	...	+8·312	−0·2453	−0·0012	+0·03	+8·0744	−9·2619	+0·9197	−9·9591	6853	5743	22314	2187	8954
856	106 20 58·01	84·53	3	...	+8·135	−0·2304	−0·0010	+0·02	−9·2015	−9·0576	+0·9104	−9·9610	...	...	22358	2194	...
857	126 59 16·10	84·65	3	...	+8·042	−0·2686	−0·0015	...	+9·3109	−9·3825	+0·9054	−9·9619	...	...	22386	...	...
858	127 7 29·15	84·60	3	...	+8·024	−0·2690	−0·0015	...	+9·3164	−9·3829	+0·9044	−9·9621	...	...	22396	...	...
859	167 15 44·28	73·51	8	6	+7·998	−0·5697	−0·0103	+0·35	+9·9024	−9·5900	+0·9030	−9·9624	6817	5742	22393	2190	8984
860	127 6 38·75	84·64	4	...	+7·843	−0·2703	−0·0015	...	+9·3207	−9·3729	+0·8945	−9·9640	...	...	...	...	...
861	125 0 22·98	80·55	3	...	+7·797	−0·2660	−0·0014	+0·04	+9·2384	−9·3484	+0·8919	−9·9644	6890	5767	22454	2202	9001
862	92 4 2·25	84·56	3	...	+7·670	−0·2116	−0·0007	+0·30	−9·6023	−8·1398	+0·8848	−9·9657	...	...	22479	...	9011
863	100 19 21·20	84·26	4	...	+7·630	−0·2240	−0·0008	−0·03	−9·4168	−8·8336	+0·8825	−9·9660	...	...	22491	...	9015
864	107 30 29·54	84·55	3	...	+7·298	−0·2369	−0·0010	−0.02	−9·1257	−9·0393	+0·8632	−9·9691	...	...	22588	2216	9060
865	88 35 18·24	84·63	3	...	+7·217	−0·2084	−0·0007	−0·04	−9·6597	+7·9477	+0·8583	−9·9699	...	...	...	...	...
866	121 52 33·29	80·55	3	...	+7·192	−0·2635	−0·0012	+0·01	+9·0952	−9·2774	+0·8569	−9·9701	6950	...	22610	...	9069
867	158 48 15·63	75·36	15	21	+7·189	−0·4297	−0·0045	+0·03	+9·8534	−9·5240	+0·8567	−9·9701	6911	5804	22607	2213	9070
868	58 10 44·05	76·19	19	...	+7·124	−0·1581	−0·0004	−0·41	−9·9353	+9·2726	+0·8527	−9·9707	...	...	...	...	9074
869	127 1 56·87	84·63	3	...	+6·812	−0·2772	−0·0014	...	+9·3426	−9·3109	+0·8333	−9·9734	...	...	22693	...	...
870	124 4 25·22	80·55	3	...	+6·662	−0·2714	−0·0012	+0·29	+9·2280	−9·2698	+0·8236	−9·9746	6996	5851	22731	2226	9123
871	100 34 9·03	84·55	3	...	+6·595	−0·2292	−0·0008	+0·08	−9·4036	−8·7805	+0·8192	−9·9751	...	...	22751	2231	...
872	130 37 44·25	80·56	3	...	+6·176	−0·2902	−0·0014	−0·01	+9·4627	−9·3022	+0·7907	−9·9784	...	5890	22899	...	9203
873	145 47 53·49	74·14	6	...	+6·139	−0·3445	−0·0020	+0·07	+9·7352	−9·4034	+0·7881	−9·9786	7034	5892	22916	2244	9209
874	112 57 27·81	84·55	3	...	+6·067	−0·2523	−0·0009	+0·01	−8·4429	−9·0719	+0·7830	−9·9792	...	...	22935	...	9215
875	80 26 12·22	76·01	22	...	+5·864	−0·2004	−0·0005	−0·01	−9·7684	+8·6865	+0·7682	−9·9806	...	...	...	...	9236
876	122 4 51·39	80·55	3	...	+5·638	−0·2724	−0·0010	+0·04	+9·1525	−9·1741	+0·7511	−9·9821	7092	5936	23049	...	9260
877	94 2 27·59	84·59	3	...	+5·634	−0·2225	−0·0006	+0·06	−9·5625	−8·2966	+0·7508	−9·9821	...	...	23051	...	...
878	177 16 3·85	77·84	16	13	+5·531	−2·1039	−0·1178	0·00	+9·9729	−9·4401	+0·7428	−9·9828	...	...	23027	...	9273
879	158 40 49·95	71·64	3	...	+5·497	−0·4476	−0·0035	+0·06	+9·8681	−9·4072	+0·7401	−9·9830	7069	5932	23081	2258	9277
880	134 24 2·08	80·59	3	...	+5·020	−0·3075	−0·0012	+0·06	+9·5651	−9·2434	+0·7007	−9·9859	7147	5975	23206	2269	9332

No. 873. Six observations S.P. of this star for the mean year 73·56 make the N.P.D. 145° 47′ 54·70″.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
881	6·5	3	Octantis, L. 7002 ...	17 2 3·85	76·21	35	+13·1076	+0·2185	−0·0229	0·000	−9·1151	−9·7029	+1·1175	+9·1115
882	2·3	...	η Ophiuchi	17 3 29·76	78·53	98	+3·4337	+0·0037	−0·0001	0·000	−8·2276	−8·8268	+0·5358	+7·6566
883	7·0	3	Scorpii, B.A.C. 5805 ...	17 7 46·23	80·59	3	+4·2533	+0·0075	−0·0003	−0·005	−8·3082	−8·9428	+0·6287	+8·1354
884	6·1	...	Apodis, B.A.C. 5794 ...	17 9 3·18	77·16	17	+11·0821	+0·1262	−0·0134	+0·005	−8·9608	−9·6071	+1·0446	+8·9551
885	3·6	...	α^1 Herculis	17 9 10·54	78·11	95	+2·7344	+0·0017	0·0000	−0·002	−8·1803	−8·8272	+0·4369	−7·5798
886	4·8	2	41 Ophiuchi	17 10 27·04	84·58	3	+3·0794	+0·0023	0·0000	−0·004	−8·1554	−8·8137	+0·4885	+5·8863
887	4·5	2	ξ Ophiuchi	17 13 48·70	84·61	3	+3·5747	+0·0036	−0·0001	+0·002	−8·1551	−8·8448	+0·5532	+7·7091
888	5·2	3	ι Aræ	17 14 15·65	80·59	3	+4·4948	+0·0081	−0·0004	−0·006	−8·2902	−8·9843	+0·6527	+8·1568
889	3·4	...	θ Ophiuchi	17 14 38·38	78·94	85	+3·6802	+0·0040	−0·0001	−0·002	−8·1598	−8·8576	+0·5659	+7·7838
890	4·6	1	Ophiuchi, B.A.C. 5890	17 20 15·88	84·59	3	+3·1871	+0·0023	0·0000	−0·011	−8·0624	−8·8190	+0·5034	+7·0008
891	5·0	...	σ Ophiuchi	17 20 33·65	83·18	22	+2·9745	+0·0019	0·0000	0·000	−8·0587	−8·8186	+0·4734	−6·9282
892	6·0	2	Scorpii, B.A.C. 5891 ...	17 20 48·97	80·58	3	+4·0535	+0·0049	−0·0002	−0·007	−8·1505	−8·9133	+0·6078	+7·9267
893	6·5	6	Octantis, L. 7078 ...	17 23 45·87	76·49	22	+18·6607	+0·3081	−0·0826	0·000	−9·0948	−9·8922	+1·2710	+9·0932
894	4·9	3	51 Ophiuchi	17 24 5·62	84·61	3	+3·6566	+0·0032	−0·0001	−0·001	−8·0560	−8·8574	+0·5631	+7·6630
895	2·5	3	λ Scorpii	17 25 27·57	80·58	3	+4·0689	+0·0045	−0·0002	−0·001	−8·0981	−8·9167	+0·6095	+7·8777
896	2·0	...	α Ophiuchi	17 29 21·83	78·08	77	+2·7750	+0·0015	0·0000	+0·007	−7·9593	−8·8307	+0·4433	−7·2997
897	3·4	2	ξ Serpentis	17 30 42·88	84·60	3	+3·4356	+0·0023	−0·0001	−0·005	−7·9449	−8·8361	+0·5360	+7·3669
898	5·2	2	λ Aræ	17 31 7·79	80·58	3	+4·6165	+0·0058	−0·0005	+0·011	−8·1091	−9·0065	+0·6643	+7·9891
899	4·7	3	μ Ophiuchi	17 31 19·33	84·63	3	+3·2598	+0·0020	−0·0001	−0·002	−7·9244	−8·8248	+0·5132	+7·0704
900	4·4	3	o Serpentis	17 34 40·17	84·60	3	+3·3744	+0·0020	−0·0001	−0·005	−7·8774	−8·8322	+0·5282	+7·2232
901	7·5	2	Sagittarii, B.A.C. 5983	17 35 48·58	80·58	3	+3·8435	+0·0028	−0·0002	+0·002	−7·9096	−8·8845	+0·5847	+7·6101
902	3·0	...	β Ophiuchi	17 37 32·66	83·28	26	+2·9648	+0·0015	0·0000	−0·004	−7·8158	−8·8232	+0·4720	−6·7217
903	4·0	3	Scorpii, B.A.C. 6018 ...	17 41 41·40	80·58	3	+4·0767	+0·0027	−0·0002	0·000	−7·8236	−8·9202	+0·6103	+7·6031
904	3·3	...	μ Herculis	17 41 45·67	79·18	44	+2·3699	+0·0013	0·0000	−0·024	−7·7775	−8·8758	+0·3747	−7·4461
905	3·4	2	γ Ophiuchi	17 41 52·53	84·60	3	+3·0082	+0·0014	0·0000	−0·004	−7·7220	−8·8230	+0·4783	−6·4037
906	6·2	2	Octantis, B.A.C. 5936...	17 44 11·07	75·69	30	+35·6958	+0·5542	−0·6928	−0·102	−9·0510	−0·2117	+1·5526	+9·0506
907	8·5	3	Pavonis...	17 47 55·47	71·67	3	+6·5899	+0·0073	−0·0021	...	−7·9954	−9·2733	+0·8189	+7·9661
908	6·1	3	Serpentis, B.A.C. 6060	17 48 51·37	84·60	3	+3·5264	+0·0015	−0·0001	−0·005	−7·5343	−8·8472	+0·5473	+7·0421
909	5·2	3	Scorpii, B.A.C. 6061 ...	17 49 16·42	80·58	3	+4·2621	+0·0021	−0·0003	+0·001	−7·6209	−8·9503	+0·6296	+7·4438
910	5·0	...	f Herculis	17 49 23·67	74·06	5	+1·9505	+0·0013	0·0000	0·000	−7·6050	−8·9394	+0·2901	−7·4134
911	6·0	...	89 Herculis	17 50 34·67	76·02	49	+2·4188	+0·0012	0·0000	0·000	−7·4843	−8·8701	+0·3836	−7·1272
912	3·4	3	ν Ophiuchi	17 52 25·26	84·60	3	+3·3021	+0·0012	−0·0001	−0·002	−7·3496	−8·8300	+0·5188	+6·5787
913	4·0	3	67 Ophiuchi	17 54 38·07	84·61	3	+3·0037	+0·0011	0·0000	+0·002	−7·1938	−8·8244	+0·4777	−5·9037
914	6·5	3	Sagittarii, B.A.C. 6103	17 56 45·59	80·59	3	+4·0401	+0·0011	−0·0002	−0·002	−7·0658	−8·9154	+0·6064	+6·8340
915	3·2	3	γ^2 Sagittarii	17 58 5·84	84·60	3	+3·8574	+0·0009	−0·0002	−0·005	−6·8075	−8·8882	+0·5863	+6·5120
916	3·3	...	72 Ophiuchi	18 1 39·62	83·54	19	+2·8475	+0·0010	0·0000	−0·006	+6·6899	−8·8300	+0·4545	+5·9097
917	6·0	3	Telescopii, B.A.C. 6135	18 2 0·36	80·66	4	+4·5329	+0·0003	−0·0004	−0·003	+6·9366	−8·9945	+0·6564	−6·8045
918	6·0	1	Pavonis, B.A.C. 6148...	18 4 16·86	73·83	12	+5·7052	−0·0012	−0·0012	−0·026	+7·4396	−9·1680	+0·7563	−7·3898
919	4·0	...	μ Sagittarii	18 6 35·19	77·98	104	+3·5877	+0·0004	−0·0001	−0·001	+7·3124	−8·8538	+0·5548	−6·8685
920	7·0	3	Sagittarii, B.A.C. 6176	18 7 46·81	80·66	3	+3·9442	0·0000	−0·0002	−0·002	+7·4317	−8·9007	+0·5960	−7·1692

No. 896. P′ and p′ affected with proper motion + s. 0·0017 − ″ 0·2021.
No. 904. ,, ,, ,, + 0·0019 − 0·1692.
No. 906. ,, ,, ,, + 0·5950 − 2·5822.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
881	172 39 0·64	76·30	14	5	+5·016	−0·9265	−0·0176	0·00	+9·9565	−9·3946	+0·7004	−9·9860	7002	5928	23192	...	9333
882	105 34 28·77	76·12	31	...	+4·894	−0·2438	−0·0006	−0·10	−9·1974	−8·8164	+0·6897	−9·9867	...	...	23251	2272	9344
883	132 12 0·06	80·59	3	...	+4·531	−0·3030	−0·0010	0·00	+9·5224	−9·1812	+0·6562	−9·9886	7177	6009	23344	...	9378
884	170 44 31·78	75·28	5	...	+4·422	−0·7900	−0·0106	+0·06	+9·9513	−9·3377	+0·6456	−9·9897	7088	5982	23360	2274	9393
885	75 28 17·53	75·51	28	...	+4·411	−0·1954	−0·0003	−0·03	−9·8226	+8·7418	+0·6445	−9·9892	...	6026	...	2286	9396
886	90 18 30·07	84·58	3	...	+4·302	−0·2202	−0·0004	+0·06	−9·6320	−7·0624	+0·6337	−9·9898	...	...	23414	...	...
887	110 58 55·57	84·61	3	...	+4·014	−0·2562	−0·0006	+0·19	−8·7345	−8·8554	+0·6036	−9·9911	...	...	23481	2296	...
888	137 20 52·70	80·59	3	...	+3·976	−0·3221	−0·0010	+0·08	+9·6303	−9·1638	+0·5994	−9·9913	7236	6046	23486	2295	9444
889	114 52 40·37	76·82	26	...	+3·943	−0·2640	−0·0006	+0·03	+8·2756	−8·9176	+0·5958	−9·9914	7254	...	23500	2301	9452
890	94 58 43·78	84·59	3	...	+3·460	−0·2296	−0·0003	+0·08	−9·5400	−8·1753	+0·5390	−9·9934	...	...	23641	...	9512
891	85 45 14·68	84·05	5	...	+3·434	−0·2144	−0·0003	−0·01	−9·7038	+8·1031	+0·5358	−9·9935	...	...	...	...	9517
892	126 40 32·95	80·58	3	...	+3·412	−0·2920	−0·0007	0·00	+9·3813	−9·0070	+0·5330	−9·9936	7299	6088	23649	...	9518
893	175 9 33·68	77·62	18	10	+3·158	−1·3444	−0·0241	+0·08	+9·9765	−9·1956	+0·4994	−9·9946	7078	...	23696	...	9538
894	113 52 3·98	84·60	3	...	+3·129	−0·2640	−0·0004	+0·04	+7·4634	−8·8003	+0·4954	−9·9947	7333	...	23739	2331	9544
895	127 0 51·01	80·58	3	...	+3·011	−0·2940	−0·0006	+0·06	+9·3958	−8·9561	+0·4787	−9·9950	7336	6116	23778	2334	9562
896	77 21 5·34	76·03	27	...	+2·673	−0·2011	−0·0001	+0·22	−9·8064	+8·4651	+0·4270	−9·9961	...	6145	...	2344	9591
897	105 19 15·97	84·60	3	...	+2·556	−0·2490	−0·0003	+0·05	−9·1942	−8·5273	+0·4075	−9·9964	...	...	23879	2347	9601
898	139 20 20·75	80·58	3	...	+2·520	−0·3345	−0·0007	+0·18	+9·6720	−8·9791	+0·4013	−9·9965	7363	6146	23888	2345	9603
899	98 2 38·74	84·63	3	...	+2·503	−0·2364	−0·0003	0·00	−9·4635	−8·2421	+0·3984	−9·9966	...	...	23892	...	...
900	102 48 33·38	84·60	3	...	+2·212	−0·2450	−0·0003	+0·02	−9·3069	−8·3884	+0·3448	−9·9973	...	...	23983	2355	9637
901	120 7 0·78	80·58	3	...	+2·113	−0·2791	−0·0003	0·00	+9·0923	−8·7232	+0·3249	−9·9976	7411	...	24014	...	9649
902	85 22 52·67	84·22	5	...	+1·962	−0·2155	−0·0001	−0·17	−9·7098	+7·8964	+0·2927	−9·9979	...	...	...	2362	9666
903	127 0 10·29	80·58	3	...	+1·600	−0·2966	−0·0004	−0·06	+9·4039	−8·6815	+0·2042	−9·9986	7449	6214	24179	2371	9705
904	62 12 29·23	77·24	15	...	+1·594	−0·1726	−0·0001	+0·74	−9·9287	+8·5690	+0·2025	−9·9986	...	...	...	...	9706
905	87 14 47·02	84·60	3	...	+1·584	−0·2190	−0·0001	+0·06	−9·6824	+7·5793	+0·1998	−9·9986	...	...	...	...	...
906	177 39 31·27	75·19	25	28	+1·382	−2·5970	−0·0416	+0·11	+9·9908	−8·8379	+0·1405	−9·9990	7001	6058	24176	...	9725
907	159 13 0·64	71·67	3	...	+1·056	−0·4801	−0·0007	...	+9·8919	−8·6923	+0·0237	−9·9994	...	...	...	...	...
908	108 46 45·27	84·60	3	...	+0·975	−0·2570	−0·0002	−0·06	−8·9505	−8·1944	+9·9889	−9·9995	...	...	...	...	...
909	131 41 49·62	80·58	3	...	+0·938	−0·3106	−0·0002	+0·04	+9·5321	−8·4931	+9·9723	−9·9995	7497	6258	24348	2382	9771
910	49 58 7·73	74·06	5	...	+0·928	−0·1422	0·0000	−0·06	−9·9889	+8·4735	+9·9674	−9·9995	...	...	...	...	...
911	63 55 46·97	74·93	21	...	+0·824	−0·1764	0·0000	−0·02	−9·9185	+8·2567	+9·9159	−9·9996	...	...	...	...	9781
912	99 45 25·24	84·60	3	...	+0·663	−0·2408	−0·0001	+0·10	−9·4120	−7·7485	+9·8216	−9·9998	...	...	24436	...	9802
913	87 3 40·32	84·61	3	...	+0·469	−0·2190	−0·0001	0·00	−9·6853	+7·0792	+9·6716	−9·9999	...	...	...	...	...
914	125 54 9·73	80·59	3	...	+0·284	−0·2946	−0·0001	+0·07	+9·3709	−7·9186	+9·4526	0·0000	7542	6297	24557	...	9831
915	120 25 23·70	84·60	3	...	+0·167	−0·2813	0·0000	+0·21	+9·1213	−7·6238	+9·2215	0·0000	7557	...	24596	2406	9852
916	80 27 7·05	84·22	5	...	−0·145	−0·2075	0·0000	−0·09	−9·7736	−7·0797	−9·1621	0·0000	...	...	...	...	9881
917	137 31 51·55	80·66	4	...	−0·176	−0·3304	+0·0001	...	+9·6480	+7·8100	−9·2443	0·0000	7578	6325	24694	2412	9886
918	153 5 0·40	73·83	5	7	−0·375	−0·4157	+0·0003	+0·04	+9·8420	+8·2217	−9·5737	−9·9999	7577	6329	24745	...	9905
919	111 5 18·14	76·56	28	...	−0·576	−0·2614	+0·0001	0·00	−8·6547	+8·0145	−9·7606	−9·9998	...	...	24812	2418	9932
920	123 7 30·43	80·66	3	...	−0·681	−0·2873	+0·0001	0·00	+9·2620	+8·2683	−9·8329	−9·9997	7632	...	24845	...	9950

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
921	2·7	...	δ Sagittarii	18 13 18·67	84·66	1	+3·8391	−0·0003	−0·0002	0·000	+7·6496	−8·8851	+0·5842	−7·3470
922	5·5	4	Coronæ Aust., B.A.C. 6215 ...	18 14 2·07	80·66	4	+4·1418	−0·0009	−0·0003	−0·008	+7·7184	−8·9308	+0·6172	−7·5145
923	3·0	...	η Serpentis	18 15 6·05	83·10	19	+3·1406	+0·0004	0·0000	−0·040	+7·6430	−8·8235	+0·4970	−6·3513
924	4·7	4	ζ Telescopii	18 19 35·32	80·66	4	+4·6119	−0·0029	−0·0005	+0·007	+7·9394	−9·0065	+0·6639	−7·8180
925	3·0	...	λ Sagittarii	18 20 33·83	77·58	80	+3·7071	−0·0007	−0·0001	−0·004	+7·8207	−8·8666	+0·5690	−7·4545
926	4·8	1	Sagittarii, B.A.C. 6279	18 22 21·44	83·66	3	+3·4199	−0·0002	−0·0001	−0·003	+7·8268	−8·8362	+0·5340	−7·2295
927	5·7	2	Sagittarii, B.A.C. 6285	18 23 12·43	80·65	3	+3·9383	−0·0014	−0·0002	−0·002	+7·9053	−8·8984	+0·5953	−7·6422
928	5·5	1	σ Octantis	18 24 29·84	76·87	35	+108·1233	−8·7688	−20·6220	+0·133	+9·7498	−0·7192	+2·0339	−9·7497
929	5·4	2	Aquilæ, B.A.C. 6324 ...	18 28 22·25	83·66	3	+3·3319	−0·0003	−0·0001	+0·002	+7·9236	−8·8287	+0·5227	−7·2069
930	6·2	3	Telescopii, B.A.C. 6330	18 30 9·25	80·66	4	+4·5449	−0·0045	−0·0004	−0·001	+8·1164	−8·9947	+0·6575	−7·9875
931	7·8	3	Octantis, L. 7612 ...	18 31 9·09	76·62	15	+15·8353	−0·1842	−0·0488	0·000	+8·9420	−9·8061	+1·1996	−8·9397
932	6·0	2	Sagittarii, B.A.C. 6343	18 31 12·80	83·67	3	+3·6512	−0·0013	−0·0001	−0·001	+7·9947	−8·8578	+0·5624	−7·5972
933	1·0	...	α Lyræ	18 32 52·48	76·96	55	+2·0133	+0·0008	0·0000	+0·017	+8·0866	−8·9269	+0·3039	+7·8824
934	5·7	3	Sagittarii, B.A.C. 6362	18 36 16·99	80·66	4	+4·0230	−0·0030	−0·0002	−0·005	+8·1123	−8·9091	+0·6045	−7·8790
935	6·2	3	θ Pavonis	18 36 49·75	73·75	10	+5·9283	−0·0155	−0·0013	−0·008	+8·4054	−9·1956	+0·7729	−8·3633
936	4·7	1	3 Aquilæ	18 36 59·16	83·66	3	+3·2670	−0·0005	−0·0001	+0·001	+8·0345	−8·8229	+0·5141	−7·1987
937	3·5	...	φ Sagittarii	18 38 9·46	77·16	76	+3·7474	−0·0021	−0·0002	+0·001	+8·0939	−8·8684	+0·5737	−7·7526
938	4·3	1	6 Aquilæ	18 40 48·48	83·66	3	+3·1846	−0·0004	−0·0001	−0·001	+8·0737	−8·8186	+0·5030	−7·0030
939	5·9	4	η^2 Coronæ Aust.	18 40 56·93	80·46	4	+4·3237	−0·0050	−0·0003	−0·004	+8·2136	−8·9568	+0·6358	−8·0519
940	6·1	3	30 Sagittarii	18 43 37·60	83·69	4	+3·6107	−0·0019	−0·0001	−0·005	+8·1346	−8·8497	+0·5576	−7·7137
941	Var.	...	β^1 Lyræ	18 45 38·94	77·61	62	+2·2140	+0·0007	0·0000	−0·001	+8·1978	−8·8928	+0·3452	+7·9365
942	6·8	3	Telescopii, B.A.C. 6433	18 47 23·02	80·66	3	+4·5851	−0·0077	−0·0004	−0·007	+8·3205	−8·9988	+0·6613	−8·1993
943	2·6	3	σ Sagittarii	18 47 49·34	80·00	7	+3·7229	−0·0027	−0·0001	−0·001	+8·1882	−8·8624	+0·5709	−7·8369
944	8·0	2	Sagittarii, Lal. 35235 ...	18 49 58·60	80·74	3	+3·7550	−0·0030	−0·0002	...	+8·2115	−8·8660	+0·5746	−7·8775
945	4·0	1	θ Serpentis	18 50 15·25	83·69	3	+2·9800	−0·0002	0·0000	+0·001	+8·1625	−8·8145	+0·4742	+7·0114
946	4·7	...	13 Lyræ	18 51 41·01	74·09	5	+1·8232	+0·0004	0·0000	+0·002	+8·3149	−8·9543	+0·2608	+8·1550
947	4·0	...	ε Aquilæ	18 54 10·53	82·97	14	+2·7263	+0·0003	0·0000	−0·005	+8·2083	−8·8265	+0·4356	+7·6187
948	7·2	5	Octantis, L. 7751 ...	18 54 35·07	76·67	18	+17·6968	−0·4209	−0·0630	+0·030	+9·2497	−9·8646	+1·2479	−9·2480
949	6·4	2	Sagittarii, B.A.C. 6488	18 54 42·06	83·66	3	+3·4314	−0·0018	−0·0001	−0·001	+8·2136	−8·8274	+0·5355	−7·6391
950	3·3	3	ζ Sagittarii	18 54 58·51	80·66	4	+3·8236	−0·0038	−0·0002	−0·003	+8·2624	−8·8740	+0·5825	−7·9620
951	5·3	3	γ Coronæ Aust.	18 58 18·18	80·66	3	+4·0557	−0·0055	−0·0002	+0·007	+8·3237	−8·9087	+0·6081	−8·1055
952	3·0	2	λ Aquilæ	18 59 52·87	83·66	3	+3·1867	−0·0011	−0·0001	−0·004	+8·2378	−8·8106	+0·5033	−7·1833
953	3·0	...	ζ Aquilæ	18 59 53·64	77·99	66	+2·7578	+0·0001	0·0000	−0·003	+8·2487	−8·8214	+0·4406	+7·6227
954	2·8	1	π Sagittarii	19 2 37·60	83·66	3	+3·5720	−0·0029	−0·0001	−0·002	+8·2855	−8·8380	+0·5529	−7·8440
955	5·5	2	20 Aquilæ	19 6 10·15	83·66	3	+3·2556	−0·0015	−0·0001	0·000	+8·2827	−8·8100	+0·5126	−7·4337
956	7·1	4	Sagittarii, B.A.C. 6577	19 8 34·40	80·70	4	+3·8299	−0·0049	−0·0002	−0·004	+8·3588	−8·8696	+0·5832	−8·0664
957	4·7	1	d Sagittarii	19 10 36·77	83·66	3	+3·5151	−0·0031	−0·0001	−0·002	+8·3305	−8·8277	+0·5459	−7·8467
958	6·5	2	Octantis, B. 6598 ...	19 11 20·59	76·18	14	+12·1174	−0·2268	−0·0157	−0·015	+9·1660	−9·6585	+1·0834	−9·1617
959	5·6	...	ω Aquilæ	19 12 10·98	77·79	57	+2·8165	−0·0001	0·0000	−0·001	+8·3236	−8·8106	+0·4497	+7·6188
960	4·5	1	υ Sagittarii	19 14 51·26	83·66	3	+3·4397	−0·0028	−0·0001	0·000	+8·3477	−8·8179	+0·5365	−7·7928

		s.	″
No. 923.	P′ and p′ affected with proper motion	+0·0009	−0″·2224.
No. 924.	" " "	−0·0025	−0·3357.
No. 925.	" " "	−0·0005	−0·2683.
No. 928.	P′ and p′ affected with proper motion	−9·0262	−7·8578.
No. 933.	" " "	+0·0005	−0·1471.
No. 951.	" " "	−0·0052	−0·2861.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
921	119 52 38	...	...	...	−1·164	−0·2792	+0·0001	+0·04	+9·0832	+8·4611	−0·0660	−9·9993	7670	6377	24987	2426	9992
922	128 42 31·28	80·66	4	...	−1·227	−0·3012	+0·0003	...	+9·4558	+8·5829	−0·0889	−9·9992	7671	6379	25003	2427	9998
923	92 55 42·75	83·91	4	...	−1·320	−0·2282	+0·0001	+0·68	−9·5824	+7·5268	−0·1207	−9·9991	...	...	25031	...	10008
924	139 7 59·81	80·66	4	...	−1·712	−0·3347	+0·0005	+0·25	+9·6717	+8·8099	−0·2334	−9·9984	7702	6403	25140	2438	10035
925	115 29 9·90	76·93	28	...	−1·797	−0·2688	+0·0003	+0·22	+8·5673	+8·5861	−0·2546	−9·9982	7725	...	25171	2440	10049
926	104 38 25·69	83·66	3	...	−1·953	−0·2478	+0·0002	−0·01	−9·2259	+8·3912	−0·2907	−9·9979	...	...	25230	2445	10072
927	123 3 59·18	80·66	4	...	−2·027	−0·2852	+0·0004	+0·01	+9·2534	+8·7416	−0·3069	−9·9978	7746	...	25259	2447	10081
928	179 16 29·78	75·09	34	36	−2·139	−7·8386	+0·6465	−0·05	+9·9951	+9·0280	−0·3303	−9·9975	6295	5912	25049	2302	10085
929	101 4 8·49	83·66	3	...	−2·476	−0·2405	+0·0003	−0·01	−9·3716	+8·3749	−0·3938	−9·9967	...	...	25379	...	...
930	138 0 39·65	80·66	4	...	−2·631	−0·3280	+0·0008	...	+9·6499	+8·9891	−0·4201	−9·9962	7780	6448	25411	2459	10133
931	174 4 29·61	76·33	8	5	−2·718	−1·1434	+0·0152	0·00	+9·9734	+9·1296	−0·4342	−9·9960	7612	...	25412	...	10143
932	113 36 19·75	83·67	3	...	−2·723	−0·2631	+0·0005	+0·03	−6·9201	+8·7353	−0·4350	−9·9960	7806	...	25435	2462	10145
933	51 19 39·09	76·10	12	...	−2·867	−0·1447	+0·0001	−0·29	−9·9810	−8·9510	−0·4574	−9·9955	...	6466	...	2468	10163
934	125 45 27·78	80·66	4	...	−3·162	−0·2890	+0·0007	...	+9·3521	+8·9644	−0·4999	−9·9945	7830	...	25565	...	10183
935	155 11 56·41	73·85	5	6	−3·209	−0·4260	+0·0019	+0·10	+9·8537	+9·1621	−0·5063	−9·9944	7813	6467	25574	2471	10191
936	98 23 31·38	83·66	3	...	−3·222	−0·2344	+0·0004	−0·03	−9·4551	+8·3701	−0·5082	−9·9943	...	...	25583	...	10193
937	117 6 44·30	76·54	25	...	−3·324	−0·2688	+0·0006	+0·03	+8·8009	+8·8781	−0·5216	−9·9939	7844	6482	25614	2474	10204
938	94 52 28·94	83·66	3	...	−3·552	−0·2278	+0·0004	+0·02	−9·5424	+8·1776	−0·5505	−9·9931	...	...	25690	...	...
939	133 33 51·11	80·66	4	...	−3·564	−0·3095	+0·0009	...	+9·5609	+9·0881	−0·5519	−9·9930	7859	6493	25691	2479	10226
940	112 17 51·67	83·69	4	...	−3·794	−0·2577	+0·0006	+0·04	−8·4604	+8·8561	−0·5791	−9·9921	...	...	25767	...	...
941	56 46 33·50	77·14	25	...	−3·967	−0·1574	+0·0002	−0·02	−9·9543	−9·0351	−0·5986	−9·9913	...	...	...	2487	10270
942	139 8 28·19	80·66	3	...	−4·117	−0·3263	+0·0013	+0·04	+9·6593	+9·1911	−0·6145	−9·9906	7904	6523	25865	...	10282
943	116 26 37·99	80·00	7	...	−4·154	−0·2646	+0·0007	+0·07	+8·6738	+8·9650	−0·6185	−9·9905	7918	6527	25874	2491	10284
944	117 36 33·77	80·74	3	...	−4·339	−0·2663	+0·0008	...	+8·8325	+9·0011	−0·6373	−9·9896	...	...	25915	...	...
945	85 57 4·94	83·69	4	...	−4·362	−0·2111	+0·0004	−0·05	−9·7004	−8·1864	−0·6397	−9·9895	...	...	...	...	10303
946	46 12 42·34	74·09	5	...	−4·484	−0·1286	+0·0002	...	−9·9946	−9·1896	−0·6517	−9·9889	...	...	...	...	...
947	75 5 36·70	84·00	3	...	−4·696	−0·1922	+0·0003	+0·08	−9·8256	−8·7799	−0·6718	−9·9877	...	...	...	...	10337
948	174 55 24·62	77·34	11	9	−4·731	−1·2530	+0·0333	+0·06	+9·9683	+9·3710	−0·6749	−9·9876	7751	...	25992	...	10343
949	105 27 0·45	83·66	3	...	−4·741	−0·2421	+0·0006	−0·01	−9·2023	+8·7992	−0·6759	−9·9875	...	...	26035	...	...
950	120 2 58·03	80·66	4	...	−4·764	−0·2698	+0·0008	+0·01	+9·0448	+9·0754	−0·6780	−9·9874	7966	...	26041	2503	10349
951	127 14 1·31	80·66	3	...	−5·047	−0·2851	+0·0011	+0·30	+9·3805	+9·1826	−0·7030	−9·9858	7988	6574	26123	2510	10373
952	95 3 39·75	83·66	3	...	−5·180	−0·2234	+0·0006	+0·08	−9·5403	+8·3577	−0·7143	−9·9850	...	...	26159	...	10384
953	76 18 49·58	76·57	20	...	−5·181	−0·1931	+0·0003	+0·09	−9·8130	−8·7863	−0·7144	−9·9850	...	...	...	2515	10385
954	111 12 45·47	83·66	3	...	−5·412	−0·2496	+0·0008	+0·03	−8·7487	+8·9897	−0·7334	−9·9836	...	6594	26225	2520	10411
955	98 8 18·28	83·66	3	...	−5·710	−0·2263	+0·0007	−0·01	−9·4680	+8·6054	−0·7566	−9·9816	...	...	26317	...	10433
956	120 40 2·36	80·70	4	...	−5·911	−0·2656	+0·0011	+0·02	+9·0577	+9·1771	−0·7717	−9·9803	8053	...	26380	...	10448
957	109 9 53·80	83·66	3	...	−6·081	−0·2430	+0·0009	+0·02	−8·9867	+8·9981	−0·7840	−9·9790	...	...	26414	...	10458
958	171 59 25·95	76·18	11	13	−6·143	−0·8398	+0·0187	−0·05	+9·9456	+9·4819	−0·7883	−9·9786	...	6598	26415	...	10460
959	78 37 10·96	76·32	21	...	−6·212	−0·1939	+0·0005	−0·02	−9·7874	−8·7862	−0·7932	−9·9781	...	...	...	...	10466
960	106 10 42·80	83·66	3	...	−6·434	−0·2361	+0·0008	0·00	−9·1841	+8·9513	−0·8085	−9·9764	...	...	26510	...	...

No. 951. Close Double, mean observed.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in R.A.	Logarithms of			
							P	P′	P″	M	*a*	*b*	*c*	*d*
				h. m. s.			s.	s.	s.	s.				
961	7·5	2	Sagittarii, B.A.C. 6627	19 16 54·94	80·70	3	+3·8317	−0·0057	−0·0001	−0·002	+8·4086	−8·8661	+0·5834	−8·1208
962	3·3	...	δ Aquilæ	19 19 26·84	78·26	76	+3·0091	−0·0009	0·0000	+0·015	+8·3556	−8·7978	+0·4784	+7·0562
963	5·2	1	*e* Aquilæ	19 24 23·24	83·67	3	+3·1385	−0·0015	0·0000	−0·001	+8·3808	−8·7944	+0·4967	−7·1050
964	5·3	4	Sagittarii, B.A.C. 6689	19 26 18·46	80·70	4	+4·4705	−0·0134	−0·0003	−0·005	+8·5670	−8·9699	+0·6503	−8·4404
965	4·6	...	h^2 Sagittarii	19 29 24·16	77·98	69	+3·6528	−0·0051	−0·0001	+0·002	+8·4472	−8·3332	+0·5626	−8·0756
966	4·8	1	κ Aquilæ	19 30 26·03	83·70	3	+3·2303	−0·0022	0·0000	−0·001	+8·4123	−8·7927	+0·5092	−7·5159
967	6·2	2	Octantis, B.A.C. 6708...	19 33 49·25	76·00	19	+11·4237	−0·2637	−0·0097	0·000	+9·2615	−9·6242	+1·0578	−9·2569
968	6·6	4	Sagittarii, B.A.C. 6753	19 37 48·14	80·70	4	+3·8091	−0·0072	−0·0001	−0·002	+8·5086	−8·8509	+0·5808	−8·2228
969	5·2	1	*f* Sagittarii	19 39 21·64	83·70	3	+3·5151	−0·0046	−0·0001	−0·011	+8·4744	−8·8089	+0·5459	−8·0095
970	3·0	...	γ Aquilæ	19 40 33·23	77·77	77	+2·8519	−0·0005	0·0000	0·000	+8·4592	−8·7878	+0·4551	+7·7125
971	2·8	...	δ Cygni	19 41 13·40	74·13	5	+1·8705	+0·0001	0·0000	+0·005	+8·6041	−8·9294	+0·2720	+8·4524
972	6·0	3	Sagittarii, B.A.C. 6790	19 43 41·33	80·69	3	+4·0876	−0·0110	−0·0002	+0·002	+8·5814	−8·8947	+0·6115	−8·3911
973	5·6	1	51 Aquilæ	19 44 10·58	83·71	3	+3·3073	−0·0031	0·0000	−0·003	+8·4746	−8·7856	+0·5195	−7·7578
974	1·3	...	α Aquilæ	19 44 55·66	77·37	89	+2·8920	−0·0007	0·0000	+0·035	+8·4742	−8·7816	+0·4612	+7·6466
975	3·8	1	η Aquilæ	19 46 21·58	83·69	3	+3·0577	−0·0016	0·0000	−0·001	+8·4748	−8·7754	+0·4854	+6·5612
976	4·0	1	ε Pavonis...	19 46 41·07	73·97	12	+7·0352	−0·0821	−0·0015	+0·009	+9·0157	−9·3147	+0·8473	−8·9968
977	5·7	...	ω Sagittarii	19 48 29·08	77·27	4	+3·6686	−0·0065	−0·0001	+0·014	+8·5314	−8·8220	+0·5645	−8·1827
978	6·5	2	Sagittarii, B.A.C. 6829	19 49 15·80	80·69	3	+3·7829	−0·0079	−0·0001	−0·001	+8·5520	−8·8390	+0·5778	−8·2624
979	4·0	...	β Aquilæ	19 49 25·08	77·23	78	+2·9453	−0·0010	0·0000	+0·001	+8·4887	−8·7749	+0·4691	+7·5156
980	4·5	1	A Sagittarii	19 51 38·28	78·08	3	+3·6619	−0·0067	−0·0001	−0·001	+8·5425	−8·8185	+0·5637	−8·1923
981	6·0	...	63 Sagittarii	19 55 15·25	83·70	3	+3·3637	−0·0040	0·0000	+0·001	+8·5200	−8·7795	+0·5268	−7·9027
982	5·3	...	*c* Sagittarii	19 55 16·60	76·32	60	+3·6963	−0·0073	−0·0001	+0·002	+8·5612	−8·8207	+0·5678	−8·2334
983	6·1	2	Sagittarii, B.A.C. 6878	19 56 37·41	83·71	3	+3·5663	−0·0060	−0·0001	−0·005	+8·5474	−8·8008	+0·5522	−8·1380
984	5·2	3	Sagittarii, B.A.C. 6877	19 56 42·83	80·69	3	+3·8129	−0·0088	−0·0001	...	+8·5854	−8·8384	+0·5812	−8·3143
985	6·5	1	Octantis, B.A.C. 6859...	19 59 4·64	74·78	37	+13·5422	−0·5270	−0·0069	−0·014	+9·4778	−9·7204	+1·1317	−9·4751
986	7·1	1	Aquilæ, Lal. 38458 ...	20 1 41·97	83·72	3	+3·2161	−0·0030	0·0000	...	+8·5318	−8·7629	+0·5073	−7·6242
987	6·1	3	Sagittarii, B.A.C. 6925	20 4 8·63	80·69	3	+4·1455	−0·0144	−0·0001	−0·011	+8·6730	−8·8936	+0·6176	−8·5078
988	2·8	1	θ Aquilæ	20 5 6·77	82·97	19	+3·0958	−0·0021	0·0000	0·000	+8·5393	−8·7558	+0·4908	−6·8517
989	8·6	4	Capricorni, O.A. 20345	20 8 38·23	77·67	4	+3·3787	−0·0046	0·0000	...	+8·5654	−8·7669	+0·5287	−7·9825
990	4·5	...	o^1 Cygni	20 9 31·63	74·34	5	+1·8845	+0·0002	0·0000	0·000	+8·7145	−8·9123	+0·2752	+8·5748
991	6·2	3	Indi, B.A.C. 6958 ...	20 10 19·12	80·69	3	+4·3271	−0·0185	−0·0002	−0·008	+8·7302	−8·9247	+0·6362	−8·6019
992	6·0	1	4 Capricorni	20 10 58·26	83·71	3	+3·5308	−0·0064	0·0000	+0·001	+8·5904	−8·7821	+0·5479	−8·1673
993	4·5	2	α^1 Capricorni	20 10 59·73	83·75	3	+3·3294	−0·0042	0·0000	−0·001	+8·5681	−8·7598	+0·5224	−7·9162
994	3·3	...	α^2 Capricorni	20 11 23·69	78·23	69	+3·3299	−0·0042	0·0000	+0·002	+8·5694	−8·7594	+0·5224	−7·9187
995	7·3	3	Capricorni, O.A. 20392	20 12 18·85	77·71	3	+3·3655	−0·0046	0·0000	...	+8·5753	−8·7615	+0·5270	−7·9787
996	8·5	4	Capricorni, O.A. 20407	20 13 7·68	77·67	4	+3·3800	−0·0048	0·0000	...	+8·5791	−8·7620	+0·5289	−8·0031
997	5·8	3	Octantis, B.A.C. 6955...	20 13 12·02	77·07	13	+10·4222	−0·3156	−0·0008	0·000	+9·3865	−9·5690	+1·0180	−9·3816
998	3·2	1	β Capricorni	20 14 16·05	80·02	7	+3·3741	−0·0048	0·0000	+0·001	+8·5819	−8·7601	+0·5282	−7·9994
999	7·2	2	Sagittarii, B.A.C. 7003	20 15 53·58	80·74	3	+4·0769	−0·0148	−0·0001	0·000	+8·7013	−8·8728	+0·6103	−8·5283
1000	2·0	...	α Pavonis...	20 16 8·71	75·89	34	+4·7860	−0·0298	−0·0002	0·000	+8·8371	−9·0076	+0·6800	−8·7613

		s.	″
No. 974.	P′ and p′ affected with proper motion	−0·0009	−0·1918.
No. 979.	„ „ „	−0·0007	−0·1889.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
961	121 1 45·47	80·69	3	...	− 6·605	−0·2624	+0·0012	+0.11	+9·0605	+9·2299	−0·8198	−9·9751	8095	...	26568	...	10509
962	87 7 23·44	77·40	25	...	− 6·813	−0·2049	+0·0006	−0·09	−9·6817	−8·2318	−0·8334	−9·9734	...	...	...	2543	10522
963	93 2 15·74	83·67	3	...	− 7·218	−0·2120	+0·0008	−0·01	−9·5841	+8·2804	−0·8584	−9·9699	...	...	26737	2550	...
964	138 21 21·08	80·70	4	...	− 7·375	−0·3015	+0·0020	...	+9·6092	+9·4390	−0·8677	−9·9684	8137	6689	26780	2552	10563
965	115 8 48·04	77·09	23	...	− 7·626	−0·2447	+0·0013	+0·01	+6·4189	+9·2084	−0·8823	−9·9661	8166	...	26843	2556	10584
966	97 17 34·26	83·69	3	...	− 7·709	−0·2158	+0·0009	0·00	−9·4958	+8·6884	−0·8870	−9·9653	...	...	26865	...	10590
967	171 38 43·10	76·89	8	8	− 7·982	−0·7624	+0·0212	−0·04	+9·9267	+9·5953	−0·9021	−9·9625	8094	6694	26929	...	10611
968	121 11 20·38	80·70	4	...	− 8·300	−0·2510	+0·0014	0·00	+9·0011	+9·3311	−0·9191	−9·9592	8208	...	27037	2565	10631
969	110 2 54·07	83·70	3	...	− 8·424	−0·2308	+0·0012	+0·10	−8·9844	+9·1584	−0·9255	−9·9578	...	6734	27075	...	...
970	79 40 40·80	76·61	22	...	− 8·519	−0·1864	+0·0007	−0·01	−9·7702	−8·8815	−0·9304	−9·9568	...	6742	...	2571	10650
971	45 9 42·72	74·13	5	...	− 8·572	−0·1214	+0·0003	−0·03	−9·9755	−9·4792	−0·9331	−9·9562	...	...	...	2574	...
972	130 10 36·39	80·70	4	...	− 8·767	−0·2661	+0·0018	+0·02	+9·3957	+9·4503	−0·9428	−9·9539	8239	...	27165	...	10675
973	101 4 0·64	83·71	3	...	− 8·805	−0·2147	+0·0011	−0·05	−9·4037	+8·9257	−0·9447	−9·9535	...	...	27177	...	...
974	81 26 50·69	75·98	23	...	− 8·864	−0·1872	+0·0007	−0.38	−9·7501	−8·8178	−0·9476	−9·9528	...	6758	...	2580	10682
975	89 18 3·87	83·68	3	...	− 8·976	−0·1974	+0·0009	0·00	−9·6481	−7·7372	−0·9531	−9·9514	...	...	...	...	10690
976	163 13 26·33	73·97	6	6	− 9·002	−0·4564	+0·0077	+0·13	+9·8635	+9·6332	−0·9543	−9·9511	8219	6752	27225	2576	10694
977	116 36 58·68	78·07	3	...	− 9·142	−0·2361	+0·0015	−0·10	+8·0357	+9·3101	−0·9610	−9·9494	8268	...	27272	...	10707
978	120 53 9·87	80·70	4	...	− 9·203	−0·2430	+0·0016	0·00	+8·9230	+9·3721	−0·9639	−9·9486	8274	...	27284	...	10711
979	83 53 30·70	75·79	25	...	− 9·215	−0·1887	+0·0008	+0·47	−9·7209	−8·6892	−0·9645	−9·9485	...	6774	...	2587	10712
980	116 31 7·54	78·49	4	...	− 9·387	−0·2340	+0·0015	−0·03	+7·8018	+9·3201	−0·9725	−9·9463	8294	...	27332	...	10731
981	103 58 5·13	83·69	4	...	− 9·665	−0·2128	+0·0012	−0·02	−9·3213	+9·0657	−0·9852	−9·9426	...	...	27431	...	...
982	118 2 30·43	75·71	22	...	− 9·667	−0·2340	+0·0016	−0·02	+8·4618	+9·3553	−0·9853	−9·9426	8315	...	27430	2591	10762
983	112 55 51·11	83·71	4	...	− 9·770	−0·2250	+0·0015	0·00	−8·7733	+9·2783	−0·9899	−9·9412	8325	...	27461	...	10773
984	122 23 29·50	80·70	4	...	− 9·777	−0·2406	+0·0017	...	+9·0059	+9·4169	−0·9902	−9·9411	8322	...	27463	2593	10774
985	173 40 30·45	75·33	24	24	− 9·958	−0·8550	+0·0386	+0·02	+9·9111	+9·6933	−0·9982	−9·9385	8202	6771	27498	...	10789
986	97 6 25·22	83·72	3	...	−10·155	−0·2000	+0·0011	...	−9·5103	+8·7970	−1·0067	−9·9356	...	...	27565	...	...
987	133 7 53·15	80·70	4	...	−10·339	−0·2568	+0·0023	+0·15	+9·4300	+9·5471	−1·0145	−9·9329	8366	...	27622	...	10820
988	91 10 35·83	83·71	4	...	−10·412	−0·1907	+0·0010	−0·01	−9·6193	+8·0277	−1·0175	−9·9318	...	...	27648	...	10825
989	105 8 42·10	77·67	4	...	−10·674	−0·2108	+0·0013	...	−9·2958	+9·1432	−1·0283	−9·9277	...	...	27737	...	...
990	43 32 49·22	74·34	5	...	−10·740	−0·1137	+0·0004	0·00	−9·9595	−9·5890	−1·0310	−9·9266	...	...	...	2607	...
991	138 4 51·26	80·70	4	...	−10·798	−0·2635	+0·0026	0·00	+9·5278	+9·6028	−1·0334	−9·9256	8388	...	27779	...	10855
992	112 10 45·55	83·71	3	...	−10·847	−0·2142	+0·0016	+0·03	−8·9255	+9·3100	−1·0353	−9·9248	...	...	27794	...	...
993	102 52 40·41	83·75	3	...	−10·849	−0·2018	+0·0013	−0·03	−9·3720	+9·0812	−1·0354	−9·9248	...	...	27796	2609	10861
994	102 54 55·61	76·34	25	...	−10·878	−0·2016	+0·0013	−0·02	−9·3713	+9·0836	−1·0365	−9·9243	...	...	27800	2610	10864
995	104 39 49·82	77·71	4	...	−10·945	−0·2080	+0·0013	...	−9·3173	+9·1404	−1·0392	−9·9232	...	...	27822	...	...
996	105 23 27·11	77·67	4	...	−11·005	−0·2084	+0·0013	...	−9·2932	+9·1633	−1·0416	−9·9222	...	...	27850	...	...
997	171 21 19·66	76·30	5	...	−11·011	−0·6328	+0·0235	+0·04	+9·8814	+9·7346	−1·0418	−9·9221	8331	...	27836	...	10882
998	105 9 32·34	80·90	6	...	−11·088	−0·2026	+0·0014	−0·02	−9·3029	+9·1601	−1·0448	−9·9208	...	...	27880	2612	10888
999	132 10 40·75	80·74	3	...	−11·206	−0·2441	+0·0023	+0·02	+9·3716	+9·5743	−1·0495	−9·9187	8419	6848	27911	...	10894
1000	147 7 2·58	75·80	17	16	−11·225	−0·2868	+0·0035	+0·10	+9·6631	+9·6721	−1·0502	−9·9184	8416	6846	27918	2613	10899

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1001	7·3	3	Sagittarii	20 16 18·56	80·72	3	+4·0713	−0·0147	−0·0001	...	+8·7016	−8·8714	+0·6097	−8·5276
1002	6·7	2	Capricorni, Lal. 39140	20 16 43·49	77·71	4	+3·3612	−0·0047	0·0000	...	+8·5878	−8·7559	+0·5265	−7·9905
1003	6·0	3	Octantis, B.A.C. 6993 ...	20 17 53·99	76·13	22	+10·6184	−0·3459	+0·0003	0·000	+9·4168	−9·5801	+1·0261	−9·4123
1004	8·9	4	Capricorni, Lal. 39210	20 18 34·69	77·67	4	+3·3713	−0·0049	0·0000	...	+8·5941	−8·7546	+0·5278	−8·0129
1005	7·2	3	Capricorni, Lal. 39247	20 19 20·09	77·74	3	+3·3740	−0·0050	0·0000	...	+8·5965	−8·7540	+0·5281	−8·0198
1006	8·5	2	Capricorni, P. 125 ...	20 19 35·37	77·71	3	+3·3509	−0·0047	0·0000	...	+8·5950	−8·7514	+0·5252	−7·9863
1007	5·1	...	ρ Capricorni	20 22 0·82	78·46	83	+3·4304	−0·0057	0·0000	−0·003	+8·6102	−8·7569	+0·5353	−8·1050
1008	9·6	4	Capricorni, O.A. 20541	20 22 18·54	77·67	4	+3·3730	−0·0051	0·0000	...	+8·6047	−8·7502	+0·5280	−8·0304
1009	9·2	3	Capricorni, Lal. 39486	20 25 11·87	77·71	3	+3·3446	−0·0048	0·0000	...	+8·6097	−8·7436	+0·5243	−7·9987
1010	5·2	3	ν Indi	20 25 40·00	80·72	3	+4·1452	−0·0174	−0·0001	−0·003	+8·7474	−8·8795	+0·6175	−8·5962
1011	5·9	2	Capricorni, B.A.C. 7080	20 25 49·82	83·71	3	+3·2670	−0·0040	0·0000	+0·019	+8·6049	−8·7363	+0·5141	−7·8556
1012	4·0	3	ε Delphini	20 27 28·80	82·14	25	+2·8664	−0·0006	0·0000	−0·001	+8·6100	−8·7349	+0·4573	+7·8865
1013	6·2	3	Capricorni, Lal. 39579	20 27 30·76	77·74	3	+3·3416	−0·0049	0·0000	...	+8·6155	−8·7403	+0·5239	−8·0032
1014	9·7	3	Weisse XX., 664 ...	20 28 3·37	77·67	3	+3·3554	−0·0051	0·0000	...	+8·6183	−8·7409	+0·5258	−8·0270
1015	9·7	4	Capricorni, Lal. 39671	20 29 34·47	77·72	4	+3·3714	−0·0053	0·0000	...	+8·6239	−8·7405	+0·5278	−8·0568
1016	5·0	1	70 Aquilæ	20 30 28·76	83·70	3	+3·1272	−0·0027	0·0000	+0·001	+8·6101	−8·7233	+0·4951	−7·3238
1017	5·0	2	υ Capricorni	20 33 13·02	83·72	3	+3·4246	−0·0061	0·0000	−0·003	+8·6394	−8·7418	+0·5346	−8·1422
1018	6·8	3	Indi, B.A.C. 7142 ...	20 34 2·66	80·72	3	+4·1299	−0·0183	−0·0001	−0·008	+8·7710	−8·8703	+0·6159	−8·6229
1019	3·6	...	α Delphini	20 34 3·82	77·69	5	+2·7824	−0·0001	0·0000	+0·003	+8·6343	−8·7334	+0·4444	+8·0609
1020	3·4	...	β Pavonis	20 34 7·56	73·98	12	+5·4928	−0·0582	−0·0001	−0·007	+9·0200	−9·1189	+0·7398	−8·9828
1021	1·6	...	α Cygni	20 37 20·42	76·99	28	+2·0436	+0·0011	0·0000	0·000	+8·7753	−8·8617	+0·3104	+8·6237
1022	5·2	3	Microscopii, B.A.C. 7175	20 38 30·60	80·72	3	+3·9252	−0·0147	0·0000	+0·003	+8·7420	−8·8239	+0·5939	−8·5467
1023	5·0	...	ψ Capricorni	20 38 59·27	78·08	3	+3·5671	−0·0084	0·0000	−0·005	+8·6749	−8·7550	+0·5523	−8·3121
1024	3·6	...	ε Aquarii	20 41 10·71	77·73	73	+3·2509	−0·0042	0·0000	0·000	+8·6412	−8·7128	+0·5120	−7·8780
1025	6·0	3	β Microscopii	20 44 31·26	80·72	3	+3·7420	−0·0118	0·0000	−0·009	+8·7215	−8·7804	+0·5731	−8·4648
1026	6·0	1	19 Capricorni	20 48 0·88	83·73	3	+3·4024	−0·0064	0·0000	−0·005	+8·6722	−8·7177	+0·5318	−8·1709
1027	5·3	...	32 Vulpeculæ	20 49 26·68	77·88	46	+2·5558	+0·0013	0·0000	−0·002	+8·7049	−8·7450	+0·4075	+8·3708
1028	4·9	...	α Octantis	20 50 7·22	74·14	22	+7·5085	−0·1800	+0·0019	−0·005	+9·3178	−9·3553	+0·8756	−9·3073
1029	6·9	4	Octantis	20 51 33·55	75·85	21	+17·5404	−1·5695	+0·0823	0·000	+9·8272	−9·8592	+1·2441	−9·8262
1030	4·0	...	ν Cygni	20 52 41·96	74·34	7	+2·2335	+0·0018	0·0000	0·000	+8·7794	−8·8071	+0·3490	+8·5938
1031	5·0	3	1 Piscis Australis ...	20 53 55·56	80·72	3	+3·6957	−0·0117	0·0000	−0·007	+8·7366	−8·7597	+0·5677	−8·4695
1032	6·0	...	21 Capricorni	20 54 6·33	76·39	3	+3·3872	−0·0064	0·0000	−0·003	+8·6837	−8·7061	+0·5298	−8·1736
1033	6·1	2	11 Aquarii	20 54 14·64	83·72	3	+3·1604	−0·0033	0·0000	+0·003	+8·6640	−8·6858	+0·4997	−7·6207
1034	5·5	3	η Microscopii	20 58 36·71	80·72	3	+3·9246	−0·0171	0·0000	−0·004	+8·7987	−8·8040	+0·5938	−8·6231
1035	4·0	...	θ Capricorni	20 59 11·94	78·50	99	+3·3752	−0·0064	0·0000	+0·005	+8·6929	−8·6960	+0·5283	−8·1761
1036	4·0	...	ξ Cygni	21 0 33·95	74·02	4	+2·1790	+0·0021	0·0000	+0·001	+8·8135	−8·8114	+0·3383	+8·6509
1037	5·7	...	61[1] Cygni	21 1 31·05	77·33	27	+2·3344	+0·0022	+0·0001	+0·348	+8·7807	−8·7749	+0·3682	+8·5716
1038	4·2	2	ν Aquarii	21 3 3·34	83·73	3	+3·2681	−0·0049	0·0000	+0·004	+8·6885	−8·6769	+0·5143	−8·0012
1039	6·0	3	Microscopii, B.A.C. 7349	21 4 30·92	76·77	3	+3·8707	−0·0166	0·0000	+0·005	+8·8024	−8·7853	+0·5878	−8·6171
1040	6.0	2	Microscopii, B.A.C. 7353	21 5 21·96	76·81	4	+3·8444	−0·0160	0·0000	+0·008	+8·7985	−8·7782	+0·5848	−8·6058

No. 1028. P′ and p′ affected with proper motion s. −0·1759 ″ −0·4000.
No. 1037. „ „ „ +0·0021 −0·1490.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
1001	132 3 11·05	80·72	3	...	−11·236	−0·2435	+0·0024	...	+9·3667	+9·5744	−1·0506	−9·9182	...	...	27922	...	...
1002	104 38 22·80	77·71	5	...	−11·267	−0·2003	+0·0014	...	−9·3237	+9·1523	−1·0518	−9·9176	...	...	27938	...	...
1003	171 41 24·95	76·60	9	17	−11·352	−0·6358	+0·0253	0·00	+9·8768	+9·7483	−1·0551	−9·9161	8360	6834	27956	...	10907
1004	105 12 23·04	77·67	4	...	−11·400	−0·1998	+0·0014	...	−9·3073	+9·1735	−1·0569	−9·9152	...	...	27989	...	...
1005	105 22 10·87	77·74	3	...	−11·455	−0·1995	+0·0014	...	−9·3028	+9·1801	−1·0590	−9·9142	...	...	28009	...	...
1006	104 15 10·84	77·71	3	...	−11·473	−0·1980	+0·0014	...	−9·3396	+9·1488	−1·0597	−9·9139	...	...	28017	...	...
1007	108 12 32·37	77·09	22	...	−11·646	−0·2011	+0·0015	+0·01	−9·1980	+9·2588	−1·0662	−9·9107	...	...	28073	...	10934
1008	105 27 23·94	77·67	4	...	−11·667	−0·1976	+0·0014	...	−9·3041	+9·1905	−1·0670	−9·9103	...	...	28082	...	...
1009	104 10 43·71	77·71	3	...	−11·872	−0·1940	+0·0014	...	−9·3488	+9·1614	−1·0745	−9·9063	...	...	28134	...	...
1010	134 55 15·68	80·72	3	...	−11·905	−0·2407	+0·0026	+0·04	+9·4167	+9·6224	−1·0757	−9·9056	8472	6876	28141	...	10953
1011	100 15 41·59	83·71	3	...	−11·917	−0·1890	+0·0013	−0·06	−9·4528	+9·0247	−1·0761	−9·9054	...	...	28149	...	...
1012	79 6 13·12	80·72	6	...	−12·032	−0·1646	+0·0009	+0·02	−9·7614	−9·0547	−1·0803	−9·9031	...	...	...	...	10970
1013	104 7 54·83	77·74	4	...	−12·035	−0·1923	+0·0013	...	−9·3530	+9·1659	−1·0804	−9·9030	...	...	28183	...	...
1014	104 51 5·68	77·67	4	...	−12·073	−0·1927	+0·0014	...	−9·3318	+9·1884	−1·0818	−9·9023	...	...	28192	...	...
1015	105 43 22·82	77·72	4	...	−12·178	−0·1927	+0·0014	...	−9·3061	+9·2163	−1·0856	−9·9001	...	...	28225	...	...
1016	92 57 53·10	83·70	3	...	−12·241	−0·1780	+0·0012	0·00	−9·5936	+8·4993	−1·0878	−9·8988	...	...	28248	...	...
1017	108 33 36·53	83·71	3	...	−12·430	−0·1933	+0·0015	−0·01	−9·2082	+9·2951	−1·0945	−9·8947	...	...	28317	2635	...
1018	135 18 37·92	80·72	3	...	−12·487	−0·2330	+0·0026	−0·02	+9·4000	+9·6461	−1·0964	−9·8935	8520	...	28340	...	11019
1019	74 30 36·58	79·75	3	...	−12·488	−0·1560	+0·0008	0·00	−9·7973	−9·2209	−1·0965	−9·8934	...	...	...	...	11020
1020	156 37 55·76	73·98	6	6	−12·493	−0·3106	+0·0056	+0·02	+9·7372	+9·7573	−1·0967	−9·8933	8500	6897	28338	2634	11021
1021	45 8 53·51	76·51	21	...	−12·711	−0·1125	+0·0005	0·00	−9·9310	−9·6504	−1·1042	−9·8884	...	6913	...	2640	11042
1022	129 37 59·53	80·72	3	...	−12·790	−0·2177	+0·0023	...	+9·1963	+9·6094	−1·1069	−9·8866	8545	6911	28444	2639	11048
1023	115 42 2·87	79·76	3	...	−12·822	−0·1972	+0·0018	+0·16	−8·7597	+9·4429	−1·1080	−9·8859	8553	...	28455	2641	11053
1024	99 56 1·83	77·28	19	...	−12·969	−0·1780	+0·0013	+0.03	−9·4710	+9·0475	−1·1129	−9·8824	...	...	28511	...	11066
1025	123 37 32·05	80·72	3	...	−13·191	−0·2026	+0·0021	...	+8·7469	+9·5614	−1·1203	−9·8769	8593	6930	...	2650	11092
1026	108 22 36·29	83·72	4	...	−13·420	−0·1814	+0·0016	+0·01	−9·2491	+9·3242	−1·1277	−9·8710	...	...	28675	...	...
1027	62 23 52·95	76·27	21	...	−13·512	−0·1348	+0·0007	0·00	−9·8614	−9·4944	−1·1307	−9·8686	...	...	...	...	11131
1028	167 28 43·28	76·19	5	8	−13·557	−0·4006	+0·0133	+0·39	+9·7961	+9·8195	−1·1321	−9·8674	8570	...	28706	2654	11135
1029	176 7 37·76	77·59	15	18	−13·649	−0·9341	+0·0932	0·00	+9·8462	+9·8319	−1·1351	−9·8649	...	...	28714	...	11139
1030	49 17 40·71	74·34	7	...	−13·721	−0·1158	+0·0006	0·00	−9·9055	−9·6496	−1·1374	−9·8629	...	...	...	2661	...
1031	122 43 31·76	80·72	3	...	−13·799	−0·1926	+0·0022	...	+8·4357	+9·5705	−1·1399	−9·8607	8639	6957	28782	2662	11155
1032	107 59 51·30	78·49	4	...	−13·811	−0·1761	+0·0016	−0·01	−9·2756	+9·3279	−1·1402	−9·8604	...	...	28789	...	...
1033	95 11 34·32	83·71	4	...	−13·820	−0·1640	+0·0014	+0·13	−9·5641	+8·7950	−1·1405	−9·8601	...	...	28795	...	...
1034	131 51 47·33	80·72	3	...	−14·094	−0·2005	+0·0025	+0·02	+9·1808	+9·6712	−1·1490	−9·8521	8675	6970	28904	2670	11196
1035	107 42 30·66	76·80	18	...	−14·131	−0·1716	+0·0015	+0·07	−9·2955	+9·3311	−1·1502	−9·8510	...	6976	28921	2673	11204
1036	46 33 2·58	74·02	4	...	−14·215	−0·1090	+0·0006	+0·01	−9·9031	−9·6880	−1·1527	−9·8484	...	...	...	2677	...
1037	51 50 24·84	76·60	13	...	−14·274	−0·1165	+0·0006	−3·23	−9·8894	−9·6432	−1·1545	−9·8466	...	...	...	2679	...
1038	101 51 23·55	83·73	3	...	−14·368	−0·1631	+0·0015	+0·01	−9·4491	+9·1679	−1·1574	−9·8436	...	...	29024	2681	11238
1039	130 45 3·69	76·77	4	...	−14·457	−0·1925	+0·0024	...	+9·0924	+9·6726	−1·1601	−9·8408	8715	6986	29048	2682	11243
1040	129 54 42·52	76·81	4	...	−14·508	−0·1904	+0·0024	...	+9·0420	+9·6667	−1·1616	−9·8391	8719	6987	29075	2683	11249

No. 1015. Double, Companion 10 Mag. N. following.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precesssion. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1041	3·0	...	ζ Cygni	21 7 49·70	78·00	68	+2·5511	+0·0019	0·0000	−0·001	+8·7490	−8·7194	+0·4067	+8·4445
1042	6·1	3	Indi, B.A.C. 7375 ...	21 9 41·74	80·72	3	+4·1208	−0·0240	+0·0001	−0·006	+8·8759	−8·8392	+0·6150	−8·7551
1043	4·0	2	α Equulei...	21 9 49·52	83·74	3	+2·9972	−0·0014	0·0000	+0·002	+8·6927	−8·6554	+0·4767	+7·6110
1044	4·8	3	4 Piscis Australis ...	21 10 39·39	76·77	3	+3·6498	−0·0121	0·0000	+0·001	+8·7675	−8·7270	+0·5623	−8·4997
1045	6·0	2	Octantis, B.A.C. 7020	21 11 34·70	75·15	44	+89·2907	−60·8901	+30·3398	+0·156	+0·6773	−0·6334	+1·9508	−0·6773
1046	5·2	3	θ^1 Microscopii	21 13 4·64	76·80	3	+3·8546	−0·0172	0·0000	0·000	+8·8211	−8·7714	+0·5860	−8·6408
1047	6·3	...	Octantis, B.A.C. 7384	21 14 8·74	72·59	8	+10·4994	−0·5517	+0·0217	−0·018	+9·6254	−9·5717	+1·0212	−9·6223
1048	5·9	2	16 Aquarii...	21 14 46·85	83·73	3	+3·1506	−0·0033	0·0000	−0·002	+8·7014	−8·6452	+0·4984	−7·6475
1049	4·0	...	ι Capricorni	21 15 33·76	78·82	58	+3·3469	−0·0065	0·0000	+0·002	+8·7212	−8·6620	+0·5246	−8·1956
1050	6·0	3	Gruis, B.A.C. 7412 ...	21 16 21·57	76·77	3	+4·0154	−0·0221	+0·0001	+0·002	+8·8695	−8·8073	+0·6037	−8·7345
1051	5·7	3	θ^2 Microscopii	21 16 45·38	80·75	3	+3·8459	−0·0175	0·0000	−0·007	+8·8286	−8·7649	+0·5850	−8·6500
1052	3·8	2	ζ Capricorni	21 19 48·79	83·74	3	+3·4362	−0·0083	0·0000	−0·001	+8·7436	−8·6681	+0·5361	−8·3342
1053	6·2	2	5 Piscis Australis ...	21 21 53·32	76·77	3	+3·5991	−0·0119	0·0000	0·000	+8·7816	−8·6981	+0·5562	−8·5029
1054	6·5	3	6 Piscis Australis ...	21 24 58·73	80·75	3	+3·6469	−0·0133	0·0000	−0·001	+8·7998	−8·7043	+0·5619	−8·5526
1055	3·0	...	β Aquarii...	21 25 14·42	77·81	102	+3·1616	−0·0036	0·0000	−0·001	+8·7188	−8·6223	+0·4999	−7·7450
1056	6·2	2	7 Piscis Australis ...	21 29 36·14	76·77	3	+3·6140	−0·0129	0·0000	+0·002	+8·8021	−8·6886	+0·5580	−8·5450
1057	4·3	2	ε Capricorni	21 30 21·54	80·95	6	+3·3680	−0·0074	0·0000	0·000	+8·7509	−8·6345	+0·5274	−8·2850
1058	6·0	1	λ^1 Octantis	21 32 20·21	75·15	24	+9·8756	−0·5528	+0·0268	+0·008	+9·6577	−9·5335	+0·9946	−9·6547
1059	8·5	...	λ^2 Octantis	21 32 21·80	75·62	4	+9·8746	−0·5528	+0·0268	...	+9·6578	−9·5335	+0·9945	−9·6548
1060	3·7	2	γ Capricorni	21 33 26·39	83·74	3	+3·3194	−0·0065	0·0000	+0·012	+8·7482	−8·6196	+0·5211	−8·2191
1061	6·0	3	Gruis, B.A.C. 7538 ...	21 35 22·40	76·77	3	+3·8351	−0·0198	+0·0001	+0·010	+8·8744	−8·7381	+0·5838	−8·7164
1062	4·5	4	ι Piscis Australis ...	21 37 47·61	80·74	4	+3·5883	−0·0130	+0·0001	−0·002	+8·8136	−8·6677	+0·5549	−8·5563
1063	2·3	...	ε Pegasi	21 38 17·48	78·03	81	+2·9451	−0·0003	0·0000	+0·001	+8·7408	−8·5929	+0·4691	+7·9504
1064	5·6	3	λ Capricorni	21 40 4·50	83·74	3	+3·2341	−0·0050	0·0000	+0·001	+8·7468	−8·5918	+0·5098	−8·0618
1065	3·0	...	δ Capricorni	21 40 24·91	83·78	3	+3·3014	−0·0064	+0·0001	+0·017	+8·7565	−8·6000	+0·5187	−8·2142
1066	6·2	3	Gruis, B.A.C. 7592 ...	21 42 14·72	76·77	3	+3·9204	−0·0237	+0·0001	−0·005	+8·9171	−8·7532	+0·5933	−8·7901
1067	5·3	...	16 Pegasi	21 47 36·09	78·05	71	+2·7263	+0·0026	+0·0001	0·000	+8·7910	−8·6052	+0·4356	+8·4228
1068	6·2	2	Aquarii, B.A.C. 7628 ...	21 47 54·34	83·74	3	+3·1340	−0·0031	0·0000	+0·003	+8·7489	−8·5618	+0·4961	−7·6750
1069	6·2	4	Gruis, B.A.C. 7632 ...	21 49 9·10	80·74	4	+3·6332	−0·0154	+0·0001	−0·009	+8·8513	−8·6590	+0·5603	−8·6389
1070	7·3	4	Aquarii, Lal. 42794 ...	21 51 27·82	82·76	4	+3·0277	−0·0012	+0·0001	...	+8·7525	−8·5506	+0·4812	+7·5490
1071	7·5	1	Octantis, L. 8897 ...	21 51 58·10	74·31	18	+9·7456	−0·6407	+0·0407	+0·020	+9·7286	−9·5246	+0·9888	−9·7262
1072	6·3	2	Aquarii, B.A.C. 7649 ...	21 52 2·09	83·74	3	+3·3550	−0·0080	+0·0001	−0·004	+8·7845	−8·5801	+0·5257	−8·3534
1073	5·7	3	Gruis, B.A.C. 7647 ...	21 52 2·33	76·77	3	+3·6452	−0·0162	+0·0001	+0·006	+8·8617	−8·6573	+0·5617	−8·6602
1074	4·2	3	ε Indi	21 54 10·03	79·77	6	+4·1582	−0·0360	+0·0003	+0·480	+9·0220	−8·8086	+0·6189	−8·9470
1075	6·2	2	Aquarii, B.A.C. 7665 ...	21 55 35·42	83·73	3	+3·3031	−0·0069	+0·0001	+0·006	+8·7795	−8·5600	+0·5189	−8·2805
1076	6·6	3	13 Piscis Australis ...	21 57 28·53	80·75	3	+3·4735	−0·0115	+0·0001	−0·002	+8·8233	−8·5957	+0·5408	−8·5287
1077	8·5	4	Pegasi, Lal. 43004 ...	21 57 32·21	82·76	4	+3·0270	−0·0011	+0·0001	...	+8·7597	−8·5318	+0·4810	+7·5825
1078	3·0	...	α Aquarii...	21 59 37·20	78·11	80	+3·0829	−0·0021	+0·0001	−0·001	+8·7611	−8·5242	+0·4890	−6·9581
1079	4·0	2	ι Aquarii...	21 59 57·32	83·75	3	+3·2447	−0·0056	+0·0001	0·000	+8·7753	−8·5370	+0·5112	−8·1725
1080	2·0	...	α Gruis	22 0 39·72	75·54	16	+3·7992	−0·0229	+0·0002	+0·011	+8·9328	−8·6914	+0·5797	−8·8007

		s.	″
No. 1065.	P′ and p′ affected with proper motion	−0·0063	−0·1355.
No. 1074.	,, ,, ,,	−0·0385	−0·1967.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	α′	b′	c′	d″					
	° ′ ″				″	″	″	″									
1041	60 15 52·44	76·06	23	...	−14·656	−0·1238	+0·0008	+0·07	−9·8545	−9·5593	−1·1660	−9·8341	...	...	...	2686	11269
1042	139 12 55·55	80·72	3	...	−14·767	−0·2001	+0·0030	+0·11	+9·3596	+9·7463	−1·1693	−9·8303	8743	6999	29180	...	11282
1043	85 14 50·85	83·74	4	...	−14·775	−0·1445	+0·0012	+0·08	−9·6888	−8·7856	−1·1695	−9·8300	...	...	...	...	11283
1044	122 40 20·95	76·77	4	...	−14·824	−0·1760	+0·0022	+0·04	−7·2201	+9·6010	−1·1710	−9·8283	8761	7002	29200	2689	11290
1045	179 24 15·37	75·42	30	38	−14·877	−4·3627	+3·0322	+0·06	+9·8235	+9·8703	−1·1725	−9·8264	6460	6644	29042	2590	11301
1046	131 18 55·24	76·80	3	...	−14·966	−0·1839	+0·0025	...	+9·0553	+9·6926	−1·1751	−9·8232	8773	7010	29248	2693	11313
1047	173 12 9·95	72·64	3	5	−15·028	−0·5037	+0·0325	+0·06	+9·7826	+9·8716	−1·1769	−9·8210	8672	6996	29257	...	11323
1048	95 4 6·45	83·73	3	...	−15·065	−0·1484	+0·0016	−0·02	−9·5727	+8·8219	−1·1780	−9·8196	...	...	29282	...	...
1049	107 20 39·55	76·32	22	...	−15·110	−0·1572	+0·0017	0·00	−9·3387	+9·3514	−1·1793	−9·8179	...	...	...	2695	11330
1050	137 7 35·14	76·77	4	...	−15·155	−0·1885	+0·0029	...	+9·2665	+9·7434	−1·1806	−9·8162	8788	...	29308	2696	11334
1051	131 31 10·10	80·75	3	...	−15·178	−0·1800	+0·0025	...	+9·0349	+9·7004	−1·1812	−9·8153	...	...	29314	2698	11337
1052	112 55 47·15	83·74	4	...	−15·352	−0·1579	+0·0019	−0·01	−9·1729	+9·4746	−1·1862	−9·8084	8815	...	29382	2705	11360
1053	121 45 35·51	76·77	4	...	−15·468	−0·1637	+0·0022	...	−8·5302	+9·6085	−1·1894	−9·8038	8825	7030	29425	...	11370
1054	124 28 19·09	80·75	3	...	−15·639	−0·1631	+0·0022	+0·02	−7·5275	+9·6448	−1·1942	−9·7966	8837	7038	29490	...	11388
1055	96 5 52·93	76·02	27	...	−15·653	−0·1407	+0·0015	0·00	−9·5623	+8·9186	−1·1946	−9·7959	...	7040	29491	2707	11389
1056	123 35 0·34	76·77	4	...	−15·889	−0·1574	+0·0022	...	−8·3793	+9·6417	−1·2011	−9·7854	8855	7048	29580	...	11412
1057	110 0 9·87	81·75	6	...	−15·929	−0·1457	+0·0019	+0·02	−9·3008	+9·4341	−1·2022	−9·7836	...	...	29598	2714	11417
1058	173 16 5·34	76·37	15	19	−16·034	−0·4291	+0·0301	+0·08	+9·7369	+9·8998	−1·2050	−9·7786	8798	7042	29624	...	11435
1059	173 16 4·82	73·87	0	4	−16·035	−0·4291	+0·0301	...	+9·7368	+9·8999	−1·2051	−9·7786	...	...	...	...	...
1060	107 12 12·13	83·74	3	...	−16·091	−0·1410	+0·0018	+0·01	−9·3765	+9·3753	−1·2066	−9·7758	...	...	29656	2718	11441
1061	134 2 22·68	76·77	4	...	−16·192	−0·1615	+0·0027	−0·02	+8·9923	+9·7492	−1·2093	−9·7708	8886	7068	29694	...	11456
1062	123 34 20·27	80·74	4	...	−16·316	−0·1486	+0·0022	+0·11	−8·6017	+9·6531	−1·2126	−9·7645	8901	7074	29737	2722	11472
1063	80 40 27·69	76·04	23	...	−16·341	−0·1210	+0·0013	−0·01	−9·7177	−9·1207	−1·2133	−9·7632	...	...	...	2723	11474
1064	101 55 5·98	83·74	3	...	−16·431	−0·1316	+0·0016	+0·01	−9·4859	+9·2284	−1·2157	−9·7584	...	...	29774	...	...
1065	106 40 15·25	83·77	3	...	−16·448	−0·1341	+0·0018	+0·30	−9·4006	+9·3716	−1·2161	−9·7575	...	...	29788	2728	11484
1066	138 16 55·58	76·77	3	...	−16·539	−0·1581	+0·0022	0·00	+9·1252	+9·7893	−1·2185	−9·7524	8922	7084	29835	...	11497
1067	64 38 19·82	75·69	24	...	−16·800	−0·1050	+0·0011	0·00	−9·7965	−9·5549	−1·2253	−9·7373	...	...	...	...	11530
1068	94 50 17·25	83·74	3	...	−16·814	−0·1210	+0·0016	+0·10	−9·5870	+8·8495	−1·2257	−9·7364	...	...	29957	...	...
1069	127 49 16·33	80·74	4	...	−16·873	−0·1395	+0·0024	...	−8·0548	+9·7126	−1·2272	−9·7327	8964	7099	29989	2736	11541
1070	86 24 42·46	82·76	4	...	−16·982	−0·1138	+0·0014	...	−9·6687	−8·7243	−1·2300	−9·7258	...	...	...	...	...
1071	173 56 17·88	75·05	11	9	−17·006	−0·3730	+0·0308	0·00	+9·6824	+9·9259	−1·2306	−9·7243	8897	...	30045	...	11560
1072	111 45 16·96	83·74	3	...	−17·008	−0·1260	+0·0019	−0·02	−9·3152	+9·4974	−1·2307	−9·7241	...	...	30055	2741	...
1073	128 58 1·81	76·77	3	...	−17·009	−0·1371	+0·0024	+0·02	−7·6201	+9·7270	−1·2307	−9·7241	8976	7108	30054	...	11561
1074	147 16 38·82	79·77	6	...	−17·106	−0·1545	+0·0035	+2·45	+9·3107	+9·8559	−1·2332	−9·7176	8975	7110	30105	2742	11576
1075	108 28 42·73	83·73	3	...	−17·171	−0·1207	+0·0019	+0·03	−9·3940	+9·4336	−1·2348	−9·7131	...	...	30141	...	...
1076	120 29 48·05	80·75	3	...	−17·256	−0·1253	+0·0021	−0·05	−9·0617	+9·6402	−1·2369	−9·7071	9009	7118	30178	...	11595
1077	86 11 13·22	82·76	5	...	−17·258	−0·1087	+0·0016	...	−9·6691	−8·7576	−1·2370	−9·7070	...	...	...	...	...
1078	90 54 7·65	76·22	26	...	−17·350	−0·1090	+0·0015	0·00	−9·6293	+8·1342	−1·2393	−9·7002	...	7129	30221	2749	11608
1079	104 27 3·10	83·75	3	...	−17·365	−0·1146	+0·0018	+0·05	−9·4703	+9·3346	−1·2397	−9·6991	...	...	30229	2750	11609
1080	137 32 27·25	75·58	14	...	−17·396	−0·1340	+0·0028	+0·15	+8·8701	+9·8062	−1·2404	−9·6968	9021	7130	30241	2752	11617

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1081	5·0	3	μ Piscis Australis ...	22 1 22·67	76·77	3	+3·5114	−0·0130	+0·0001	+0·004	+8·8422	−8·5976	+0·5455	−8·5849
1082	5·2	3	15 Piscis Australis ...	22 3 6·58	80·74	4	+3·4984	−0·0128	+0·0001	+0·034	+8·8419	−8·5896	+0·5439	−8·5796
1083	3·4	1	θ Pegasi	22 4 8·77	83·75	3	+3·0088	−0·0006	+0·0001	+0·017	+8·7680	−8·5111	+0·4784	+7·7580
1084	9·9	4	Weisse, XXII., 102 ...	22 7 9·71	82·77	4	+2·9928	−0·0002	+0·0001	...	+8·7724	−8·5019	+0·4761	+7·8691
1085	6·0	3	υ Octantis	22 8 11·76	74·42	50	+13·5434	−1·7271	+0·2186	−0·038	+9·9938	−9·7186	+1·1317	−9·9930
1086	5·2	3	μ^2 Gruis	22 9 12·96	76·77	3	+3·6362	−0·0182	+0·0002	−0·003	+8·9015	−8·6216	+0·56c6	−8·7289
1087	4·3	...	θ Aquarii	22 10 30·01	78·54	58	+3·1629	−0·0038	+0·0001	+0·006	+8·7770	−8·4911	+0·5001	−7·9406
1088	9·9	3	Weisse, XXII., 212 ...	22 12 17·58	82·75	3	+2·9899	+0·0001	+0·0001	...	+8·7781	−8·4839	+0·4757	+7·9081
1089	9·4	3	Aquarii, Lal. 43567 ...	22 14 2·71	80·76	4	+3·2339	−0·0057	+0·0001	...	+8·7911	−8·4886	+0·5097	−8·2085
1090	4·9	2	47 Aquarii	22 14 59·12	83·75	3	+3·3137	−0·0080	+0·0001	−0·003	+8·8101	−8·5031	+0·5203	−8·3874
1091	8·2	3	Aquarii, Lal. 43596 ...	22 15 6·43	80·80	3	+3·2313	−0·0056	+0·0001	...	+8·7919	−8·4844	+0·5094	−8·2066
1092	3·4	...	γ Aquarii	22 15 27·46	82·88	13	+3·0928	−0·0021	+0·0001	+0·007	+8·7773	−8·4681	+0·4903	−7·3183
1093	5·2	3	π Gruis	22 15 45·30	80·78	3	+3·6920	−0·0216	+0·0002	+0·015	+8·9398	−8·6291	+0·5673	−8·8006
1094	8·9	4	Pegasi, Lal. 43697 ...	22 17 33·17	82·76	4	+2·9840	+0·0004	+0·0001	...	+8·7840	−8·4647	+0·4748	+7·9631
1095	5·7	2	50 Aquarii	22 18 1·25	80·80	6	+3·2173	−0·0053	+0·0001	+0·002	+8·7928	−8·4712	+0·5075	−8·1806
1096	7·0	3	Gruis, B.A.C. 7834 ...	22 23 32·00	76·80	4	+3·6131	−0·0198	+0·0002	...	+8·9326	−8·5835	+0·5579	−8·7798
1097	6·0	1	56 Aquarii	22 23 51·37	78·12	3	+3·2203	−0·0056	+0·0001	+0·001	+8·8000	−8·4493	+0·5079	−8·2186
1098	4·8	4	σ Aquarii	22 24 17·68	79·81	7	+3·1806	−0·0044	+0·0001	−0·002	+8·7934	−8·4405	+0·5025	−8·0852
1099	7·6	3	Arg. + 9° 5055 ...	22 24 28·30	82·80	4	+2·9763	+0·0008	+0·0001	...	+8·7918	−8·4379	+0·4737	+8·0342
1100	6·4	4	Gruis, B.A.C. 7844 ...	22 25 3·45	80·78	4	+3·5898	−0·0191	+0·0001	−0·012	+8·9277	−8·5709	+0·5551	−8·7685
1101	7·8	4	Pegasi, Lal. 43989 ...	22 25 10·27	82·76	4	+2·9900	+0·0006	+0·0002	...	+8·7906	−8·4332	+0·4757	+7·9707
1102	7·8	3	Arg. + 10° 4769 ...	22 25 47·38	82·80	4	+2·9767	+0·0009	+0·0001	...	+8·7930	−8·4324	+0·4737	+8·0390
1103	5·0	...	υ Aquarii	22 28 7·57	83·77	3	+3·2760	−0·0075	+0·0001	+0·015	+8·8188	−8·4460	+0·5153	−8·3795
1104	3·8	...	η Aquarii	22 29 11·35	78·25	85	+3·0790	−0·0015	+0·0001	+0·004	+8·7889	−8·4105	+0·4884	−6·8973
1105	5·4	3	σ^2 Gruis	22 29 58·24	80·78	4	+3·5205	−0·0171	+0·0002	−0·004	+8·9131	−8·5305	+0·5466	−8·7319
1106	7·6	9	Octantis, L. 9123 ...	22 30 28·57	75·55	20	+8·2341	−0·6130	+0·0513	+0·020	+9·7980	−9·4127	+0·9156	−9·7959
1107	9·6	4	Weisse, XXII., 631 ...	22 31 22·20	82·76	4	+2·9997	+0·0006	+0·0001	...	+8·7950	−8·4049	+0·4771	+7·9488
1108	6·5	2	64 Aquarii	22 32 57·10	77·82	3	+3·1656	−0·0041	+0·0001	−0·003	+8·7993	−8·4005	+0·5004	−8·0661
1109	6·2	2	Piscis Aust., B.A.C. 7895	22 33 40·29	76·80	3	+3·3711	−0·0114	+0·0001	−0·008	+8·8605	−8·4578	+0·5278	−8·5758
1110	4·5	3	β Octantis	22 33 41·29	74·88	29	+6·5750	−0·3266	+0·0193	−0·039	+9·6493	−9·2464	+0·8179	−9·6451
1111	9·8	4	Weisse, XXII., 719 ...	22 35 26·23	82·76	4	+3·0082	+0·0006	+0·0001	...	+8·7975	−8·3848	+0·4783	+7·9174
1112	3·3	...	ζ Pegasi	22 35 28·60	78·98	64	+2·9856	+0·0011	+0·0001	+0·004	+8·8006	−8·3877	+0·4750	+8·0490
1113	5·8	3	Gruis, B.A.C. 7905 ...	22 35 39·27	80·77	4	+3·5513	−0·0195	+0·0002	−0·001	+8·9434	−8·5295	+0·5504	−8·7919
1114	5·3	...	g^1 Aquarii	22 37 7·68	83·78	3	+3·2394	−0·0067	+0·0001	−0·003	+8·8204	−8·3982	+0·5105	−8·3430
1115	6·0	2	70 Aquarii	22 42 11·19	77·82	3	+3·1604	−0·0041	+0·0001	+0·003	+8·8067	−8·3547	+0·4997	−8·0946
1116	4·5	2	τ^2 Aquarii	22 43 14·18	79·58	15	+3·1837	−0·0049	+0·0001	−0·003	+8·8126	−8·3542	+0·5029	−8·2031
1117	5·8	3	Gruis, B.A.C. 7957 ...	22 44 11·98	76·80	3	+3·4340	−0·0157	+0·0002	−0·008	+8·9141	−8·4499	+0·5358	−8·7203
1118	6·1	4	21 Piscis Australis ...	22 44 43·69	80·78	4	+3·3230	−0·0106	+0·0001	−0·003	+8·8633	−8·3957	+0·5215	−8·5645
1119	4·0	...	λ Aquarii	22 46 21·17	81·67	40	+3·1333	−0·0031	+0·0001	−0·002	+8·8056	−8·3279	+0·4960	−7·9607
1120	6·0	2	74 Aquarii	22 47 9·52	77·83	3	+3·1631	−0·0043	+0·0001	+0·001	+8·8116	−8·3288	+0·5001	−8·1385

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
1081	123 34 22·50	76·77	3	...	−17·427	−0·1230	+0·0022	+0·01	−8·9439	+9·6817	−1·2412	−9·6944	9029	7131	30260	2754	11623
1082	123 8 12·36	80·74	4	...	−17·502	−0·1208	+0·0022	−0·01	−8·9843	+9·6786	−1·2431	−9·6886	9037	7135	30294	...	11633
1083	84 23 31·41	83·75	3	...	−17·546	−0·1024	+0·0014	−0·04	−9·6804	−8·9320	−1·2442	−9·6851	...	...	...	...	11637
1084	82 49 25·24	82·77	4	...	−17·672	−0·0993	+0·0014	...	−9·6898	−9·0417	−1·2473	−9·6746	...	...	...	...	...
1085	176 34 30·87	75·44	28	33	−17·715	−0·4591	+0·0681	−0·08	+9·6454	+9·9453	−1·2483	−9·6709	8924	7119	30380	2753	11665
1086	132 13 23·20	76·77	3	...	−17·756	−0·1194	+0·0026	...	−7·9518	+9·7745	−1·2493	−9·6672	9075	7148	30405	2761	11669
1087	98 22 48·40	77·04	17	...	−17·808	−0·1022	+0·0017	+0·02	−9·5590	+9·1120	−1·2506	−9·6626	...	7151	30430	2764	11682
1088	82 14 48·31	82·76	4	...	−17·880	−0·0949	+0·0014	...	−9·6911	−9·0802	−1·2524	−9·6560	...	...	...	...	...
1089	105 9 22·86	80·76	4	...	−17·949	−0·1013	+0·0018	...	−9·4802	+9·3692	−1·2540	−9·6494	...	...	...	...	...
1090	112 11 55·45	83·75	3	...	−17·985	−0·1030	+0·0019	+0·07	−9·3703	+9·5300	−1·2549	−9·6458	...	...	30513	...	11707
1091	105 3 36·49	80·80	3	...	−17·990	−0·1002	+0·0018	...	−9·4831	+9·3675	−1·2550	−9·6453	...	...	...	...	...
1092	91 59 29·63	83·76	3	...	−18·004	−0·0955	+0·0016	−0·02	−9·6215	+8·4941	−1·2554	−9·6439	...	7160	30529	...	11711
1093	136 31 52·69	80·78	3	...	−18·015	−0·1143	+0·0027	...	+8·3088	+9·8142	−1·2556	−9·6428	9108	7159	30534	2771	11712
1094	81 18 43·40	82·76	4	...	−18·083	−0·0901	+0·0015	...	−9·6939	−9·1342	−1·2573	−9·6358	...	...	...	...	...
1095	104 8 12·04	78·54	23	...	−18·101	−0·0970	+0·0018	−0·02	−9·4991	+9·3433	−1·2577	−9·6339	...	...	30582	...	11727
1096	134 42 29·14	76·80	4	...	−18·304	−0·1037	+0·0026	...	−8·3203	+9·8076	−1·2625	−9·6113	9149	...	30676	...	11758
1097	105 11 54·88	78·48	4	...	−18·315	−0·0917	+0·0018	+0·04	−9·4940	+9·3792	−1·2628	−9·6099	...	...	30687	...	11762
1098	101 17 28·66	78·34	26	...	−18·331	−0·0901	+0·0017	+0·03	−9·5391	+9·2528	−1·2632	−9·6081	...	...	30696	2786	11769
1099	79 56 11·20	82·80	4	...	−18·337	−0·0839	+0·0015	...	−9·6972	−9·2035	−1·2633	−9·6073	...	...	...	...	...
1100	133 52 43·47	80·78	3	...	−18·358	−0·1014	+0·0025	−0·06	−8·5281	+9·8024	−1·2638	−9·6048	9161	7177	30712	...	11776
1101	81 17 39·00	82·76	4	...	−18·362	−0·0837	+0·0015	...	−9·6900	−9·1417	−1·2639	−9·6043	...	...	...	...	...
1102	79 51 7·86	82·80	4	...	−18·383	−0·0828	+0·0015	...	−9·6968	−9·2082	−1·2644	−9·6016	...	...	...	...	...
1103	111 19 19·71	83·77	3	...	−18·464	−0·0892	+0·0019	+0·16	−9·4188	+9·5248	−1·2663	−9·5913	...	...	30782	2790	11793
1104	90 44 7·72	76·90	21	...	−18·500	−0·0826	+0·0016	+0·05	−9·6323	+8·0734	−1·2672	−9·5865	...	...	30800	...	11800
1105	131 12 35·07	80·78	3	...	−18·526	−0·0942	+0·0023	+0·07	−8·8704	+9·7844	−1·2678	−9·5830	9183	7184	30814	2793	11805
1106	174 22 3·59	76·16	6	9	−18·544	−0·2246	+0·0225	−0·04	+9·5268	+9·9639	−1·2682	−9·5807	9123	...	30816	...	11807
1107	81 48 29·96	82·76	4	...	−18·573	−0·0785	+0·0015	...	−9·6841	−9·1205	−1·2689	−9·5765	...	...	...	...	...
1108	100 39 4·98	77·74	31	...	−18·625	−0·0816	+0·0017	+0·01	−9·5537	+9·2347	−1·2701	−9·5691	...	...	30868	2795	11822
1109	121 16 35·65	76·80	3	...	−18·648	−0·0864	+0·0021	+0·22	−9·2549	+9·6837	−1·2706	−9·5656	9205	7192	30884	...	11829
1110	172 0 34·05	75·46	17	19	−18·649	−0·1723	+0·0130	+0·01	+9·4827	+9·9642	−1·2707	−9·5656	9165	7186	30879	2794	11830
1111	82 25 35·22	82·76	4	...	−18·704	−0·0751	+0·0015	...	−9·6791	−9·0897	−1·2719	−9·5571	...	...	...	...	...
1112	79 47 40·14	76·87	17	...	−18·706	−0·0745	+0·0015	+0·02	−9·6910	−9·2182	−1·2720	−9·5569	...	...	...	2800	11836
1113	134 52 34·11	80·77	4	...	−18·711	−0·0891	+0·0024	−0·05	−8·7292	+9·8184	−1·2721	−9·5560	9215	7196	30916	...	11838
1114	109 27 28·13	83·78	3	...	−18·757	−0·0795	+0·0019	+0·03	−9·4643	+9·4936	−1·2732	−9·5487	...	...	30947	...	...
1115	101 11 19·18	77·74	34	...	−18·909	−0·0727	+0·0017	−0·03	−9·5575	+9·2624	−1·2767	−9·5225	...	...	31061	...	11890
1116	104 13 31·48	80·94	6	...	−18·940	−0·0722	+0·0017	+0·04	−9·5312	+9·3656	−1·2774	−9·5168	...	...	31082	2808	11897
1117	129 47 29·24	76·80	3	...	−18·967	−0·0772	+0·0022	−0·02	−9·0987	+9·7820	−1·2780	−9·5115	9275	7215	31099	2811	11902
1118	120 10 16·52	80·78	4	...	−18·982	−0·0740	+0·0021	−0·03	−9·3283	+9·6773	−1·2783	−9·5086	9281	7216	31105	...	11907
1119	98 13 3·25	81·77	6	...	−19·027	−0·0680	+0·0017	−0·04	−9·5846	+9·1323	−1·2794	−9·4995	...	...	31130	2815	11922
1120	102 15 14·31	77·62	36	...	−19·050	−0·0680	+0·0017	+0·01	−9·5535	+9·3045	−1·2799	−9·4948	...	...	31143	...	11928

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1121	6·7	2	75 Aquarii	22 47 47·30	77·82	3	+3·1667	−0·0044	+0·0001	+0·001	+8·8130	−8·3261	+0·5006	−8·1593
1122	3·0	2	δ Aquarii	22 48 16·79	83·79	3	+3·1939	−0·0055	+0·0001	−0·005	+8·8205	−8·3304	+0·5043	−8·2727
1123	1·3	...	α Piscis Australis ...	22 51 0·93	78·86	106	+3·3036	−0·0105	+0·0001	+0·023	+8·8675	−8·3595	+0·5190	−8·5699
1124	6·2	2	Aquarii, B.A.C. 7993 ...	22 51 4·47	83·79	3	+3·1101	−0·0023	+0·0001	−0·003	+8·8059	−8·2975	+0·4928	−7·7836
1125	9·5	3	Weisse, XXII., 1047 ...	22 51 49·01	78·55	10	+3·1540	−0·0040	+0·0001	...	+8·8136	−8·3002	+0·4989	−8·1233
1126	7·0	3	Gruis, B.A.C. 8000 ...	22 52 20·42	80·78	3	+3·4728	−0·0195	+0·0003	+0·003	+8·9616	−8·4446	+0·5407	−8·8173
1127	6·3	3	Aquarii, B.A.C. 8002 ...	22 53 1·70	76·80	3	+3·2956	−0·0104	+0·0001	−0·008	+8·8680	−8·3463	+0·5179	−8·5684
1128	6·0	1	Aquarii, B.A.C. 8004 ...	22 53 16·41	77·84	3	+3·1660	−0·0046	+0·0001	0·000	+8·8178	−8·2944	+0·5005	−8·1927
1129	7·7	2	Aquarii, Lal. 45050 ...	22 56 14·96	78·60	12	+3·1498	−0·0040	+0·0001	...	+8·8163	−8·2720	+0·4983	−8·1310
1130	5·9	3	Gruis, B.A.C. 8027 ...	22 57 13·82	80·78	4	+3·3994	−0·0166	+0·0002	−0·002	+8·9372	−8·3858	+0·5314	−8·7638
1131	2·0	...	α Pegasi	22 58 46·98	78·50	73	+2·9807	+0·0028	+0·0001	+0·003	+8·8224	−8·2596	+0·4743	+8·2228
1132	5·8	4	h^1 Aquarii	22 58 54·24	80·83	6	+3·1240	−0·0029	+0·0001	+0·008	+8·8129	−8·2492	+0·4947	−7·9745
1133	7·5	3	Aquarii, Lal. 45169 ...	22 59 37·30	77·85	3	+3·1405	−0·0036	+0·0001	...	+8·8168	−8·2477	+0·4970	−8·1007
1134	7·0	2	Weisse, XXII., 1241 ...	23 0 0·69	77·87	3	+3·1349	−0·0034	+0·0001	...	+8·8158	−8·2438	+0·4962	−8·0662
1135	8·5	2	Aquarii, Lal. 45197 ...	23 0 41·04	78·58	11	+3·1537	−0·0043	+0·0001	...	+8·8211	−8·2440	+0·4988	−8·1853
1136	7·5	1	Aquarii, Lal. 45213 ...	23 1 7·32	77·88	4	+3·1474	−0·0040	+0·0001	...	+8·8198	−8·2392	+0·4979	−8·1535
1137	4·0	2	c^2 Aquarii	23 3 2·71	83·80	3	+3·2040	−0·0069	+0·0001	+0·001	+8·8427	−8·2471	+0·5057	−8·4129
1138	6·0	3	Gruis, B.A.C. 8063 ...	23 3 17·22	76·80	3	+3·3832	−0·0172	+0·0002	−0·033	+8·9500	−8·3525	+0·5293	−8·7879
1139	5·9	3	Gruis, B.A.C. 8066 ...	23 3 28·58	80·81	3	+3·3585	−0·0157	+0·0002	−0·003	+8·9344	−8·3354	+0·5261	−8·7534
1140	9·0	2	Weisse, XXIII., 49 ...	23 5 13·30	78·51	9	+3·1348	−0·0035	+0·0001	...	+8·8197	−8·2065	+0·4962	−8·1064
1141	8·2	3	Aquarii, Lal. 45379 ...	23 5 42·84	77·86	3	+3·1424	−0·0039	+0·0001	...	+8·8222	−8·2049	+0·4973	−8·1604
1142	7·0	1	Aquarii, Lal. 45414 ...	23 6 43·30	77·88	4	+3·1279	−0·0032	+0·0001	...	+8·8190	−8·1933	+0·4952	−8·0681
1143	7·0	1	Aquarii, Lal. 45490 ...	23 8 24·81	77·88	4	+3·1322	−0·0035	+0·0001	...	+8·8214	−8·1811	+0·4958	−8·1150
1144	7·7	3	Aquarii, Lal. 45504 ...	23 9 5·24	77·86	3	+3·1361	−0·0037	+0·0001	...	+8·8230	−8·1769	+0·4964	−8·1486
1145	5·3	3	τ Octantis	23 9 18·94	75·78	51	+12·1040	−3·0898	+0·8835	+0·020	+0·3019	−9·6538	+1·0829	−0·3017
1146	4·3	3	ψ^1 Aquarii	23 9 36·15	78·16	17	+3·1224	−0·0030	+0·0001	+0·002	+8·8196	−8·1689	+0·4945	−8·0480
1147	6·0	3	Gruis, B.A.C. 8096 ...	23 9 58·49	80·83	3	+3·3633	−0·0179	+0·0003	−0·011	+8·9651	−8·3111	+0·5268	−8·8156
1148	6·8	3	Aquarii, Lal. 45562 ...	23 10 45·03	80·80	3	+3·1115	−0·0025	+0·0001	...	+8·8178	−8·1568	+0·4930	−7·9514
1149	4·0	...	γ Piscium	23 10 56·64	78·53	45	+3·0593	+0·0003	+0·0001	+0·049	+8·8143	−8·1516	+0·4856	+7·4755
1150	6·2	2	Aquarii, Lal. 45582 ...	23 11 24·14	77·82	3	+3·1340	−0·0037	+0·0001	...	+8·8243	−8·1573	+0·4961	−8·1551
1151	5·6	4	ϕ Gruis	23 11 32·16	76·80	4	+3·3204	−0·0154	+0·0002	0·000	+8·9395	−8·2713	+0·5212	−8·7606
1152	5·0	1	ψ^2 Aquarii	23 11 39·99	77·88	3	+3·1209	−0·0030	+0·0001	0·000	+8·8206	−8·1512	+0·4943	−8·0532
1153	6·0	1	Gruis, B.A.C. 8112 ...	23 12 2·73	75·88	3	+3·3817	−0·0200	+0·0003	−0·002	+8·9896	−8·3166	+0·5291	−8·8613
1154	5·2	4	ψ^3 Aquarii	23 12 43·10	77·88	4	+3·1219	−0·0031	+0·0001	+0·002	+8·8216	−8·1423	+0·4944	−8·0726
1155	7·5	3	Aquarii, Lal. 45633 ...	23 12 46·44	77·86	3	+3·1346	−0·0038	+0·0001	...	+8·8256	−8·1458	+0·4962	−8·1719
1156	6·0	1	94 Aquarii	23 12 47·83	78·87	11	+3·1411	−0·0042	+0·0001	+0·018	+8·8279	−8·1479	+0·4971	−8·2150
1157	7·5	1	Aquarii, Lal. 45708 ...	23 14 37·92	77·88	3	+3·1243	−0·0033	+0·0001	...	+8·8237	−8·1260	+0·4948	−8·1116
1158	5·5	4	97 Aquarii	23 16 21·63	77·88	4	+3·1434	−0·0046	+0·0001	+0·006	+8·8325	−8·1175	+0·4974	−8·2648
1159	4·4	3	b^1 Aquarii	23 16 39·95	83·80	3	+3·1676	−0·0062	+0·0001	−0·012	+8·8452	−8·1271	+0·5007	−8·3947
1160	6·6	3	Gruis, B.A.C. 8145 ...	23 16 44·62	80·81	3	+3·3003	−0·0156	+0·0002	−0·007	+8·9468	−8·2279	+0·5185	−8·7745

No. 1123. P′ and p′ affected with proper motion $-$ s. 0·0106 $-$ ″ 0·0683.
No. 1149. „ „ „ + 0·0003 − 0·0447.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
1121	102 49 36·95	77·82	4	...	−19·067	−0·0674	+0·0017	+0·04	−9·5493	+9·3244	−1·2803	−9·4912	...	...	31154	...	...
1122	106 27 31·57	83·79	3	...	−19·080	−0·0676	+0·0017	+0·01	−9·5170	+9·4307	−1·2806	−9·4883	...	...	31163	2816	11935
1123	120 15 27·23	76·12	30	...	−19·152	−0·0673	+0·0020	+0·16	−9·3529	+9·6823	−1·2822	−9·4720	9314	7225	31213	2817	11951
1124	95 27 3·82	83·79	3	...	−19·154	−0·0631	+0·0016	0·00	−9·6061	+8·9578	−1·2823	−9·4716	...	...	31215	...	...
1125	101 46 23·54	77·83	3	...	−19·173	−0·0633	+0·0017	...	−9·5622	+9·2902	−1·2827	−9·4671	...	...	31230	...	...
1126	135 49 53·35	80·78	4	...	−19·186	−0·0695	+0·0023	0·00	−8·9713	+9·8365	−1·2830	−9·4638	9317	...	31241	...	11960
1127	120 6 17·35	76·80	3	...	−19·204	−0·0651	+0·0020	−0·02	−9·3633	+9·6815	−1·2834	−9·4595	9321	7227	31247	...	11961
1128	103 42 47·88	77·69	12	...	−19·210	−0·0621	+0·0017	+0·01	−9·5483	+9·3562	−1·2835	−9·4580	...	...	31254	...	11964
1129	101 54 36·53	77·42	4	...	−19·283	−0·0589	+0·0017	...	−9·5657	+9·2976	−1·2852	−9·4387	...	...	31313	...	...
1130	132 7 35·26	80·78	4	...	−19·306	−0·0629	+0·0022	−0·07	−9·1473	+9·8101	−1·2857	−9·4321	9354	7238	31337	...	11999
1131	75 26 24·00	76·47	21	...	−19·343	−0·0532	+0·0015	+0·03	−9·6869	−9·3847	−1·2865	−9·4215	...	7239	...	2822	12006
1132	98 20 27·37	78·24	29	...	−19·345	−0·0558	+0·0017	−0·02	−9·5922	+9·1459	−1·2866	−9·4207	...	...	31367	...	12008
1133	101 5 5·28	77·85	3	...	−19·362	−0·0555	+0·0017	...	−9·5748	+9·2686	−1·2869	−9·4157	...	...	31374	...	...
1134	100 15 5·69	77·76	3	...	−19·371	−0·0550	+0·0017	...	−9·5804	+9·2353	−1·2871	−9·4129	...	...	...	...	12012
1135	103 22 29·00	77·82	4	...	−19·386	−0·0547	+0·0017	...	−9.5598	+9·3495	−1·2875	−9·4081	...	...	31397	...	...
1136	102 27 17·26	77·88	4	...	−19·396	−0·0541	+0·0017	...	−9·5669	+9·3193	−1·2877	−9·4050	...	...	31406	...	...
1137	111 49 24·89	83·80	3	...	−19·438	−0·0532	+0·0018	−0·05	−9·4932	+9·5567	−1·2886	−9·3909	...	...	31431	...	12032
1138	133 30 35·88	76·80	3	...	−19·443	−0·0562	+0·0021	−0·03	−9·1645	+9·8245	−1·2888	−9·3890	9381	7249	31437	...	12035
1139	131 14 24·18	80·81	3	...	−19·447	−0·0556	+0·0021	+0·03	−9·2183	+9·8057	−1·2889	−9·3876	9384	7251	31441	2829	12036
1140	101 9 33·91	77·82	4	...	−19·484	−0·0499	+0·0017	...	−9·5796	+9·2742	−1·2897	−9·3743	...	...	31472	...	...
1141	102 35 2·57	77·86	3	...	−19·494	−0·0495	+0·0017	...	−9·5709	+9·3259	−1·2899	−9·3704	...	...	31477	...	...
1142	100 13 19·60	77·68	46	...	−19·515	−0·0483	+0·0017	...	−9·5867	+9·2373	−1·2904	−9·3624	...	...	31500	...	12053
1143	101 20 26·69	77·88	3	...	−19·548	−0·0468	+0·0017	...	−9·5815	+9·2826	−1·2911	−9·3487	...	...	31528	...	...
1144	102 13 5·18	77·86	3	...	−19·561	−0·0462	+0·0017	...	−9·5768	+9·3148	−1·2914	−9·3431	...	...	31535	...	...
1145	178 8 24·87	75·09	23	33	−19·566	−0·1894	+0·0573	−0·02	+9·3122	+9·9891	−1·2915	−9·3412	9225	7241	31530	2828	12069
1146	99 44 27·90	77·17	6	...	−19·571	−0·0454	+0·0017	+0·01	−9·5918	+9·2178	−1·2916	−9·3387	...	...	31545	2836	...
1147	135 8 34·51	80·83	3	...	−19·578	−0·0489	+0·0021	−0·01	−9·1832	+9·8401	−1·2918	−9·3355	9419	...	31549	...	12073
1148	97 49 0·75	80·80	3	...	−19·593	−0·0442	+0·0017	...	−9·6030	+9·1234	−1·2921	−9·3289	...	...	31567	...	...
1149	87 22 23·55	77·06	18	...	−19·596	−0·0432	+0·0016	−0·02	−9·6465	−8·6511	−1·2922	−9·3272	...	7269	...	...	12088
1150	102 22 5·17	77·82	3	...	−19·605	−0·0439	+0·0017	...	−9·5783	+9·3210	−1·2924	−9·3232	...	...	31577	...	...
1151	131 28 30·32	76·80	4	...	−19·607	−0·0466	+0·0021	...	−9·2696	+9·8113	−1·2924	−9·3220	9432	7271	31580	2839	12091
1152	99 50 13·71	77·68	52	...	−19·610	−0·0434	+0·0017	+0·02	−9·5930	+9·2229	−1·2925	−9·3208	...	...	31585	2842	12094
1153	138 5 27·09	75·64	4	...	−19·616	−0·0470	+0·0022	...	−9·1310	+9·8621	−1·2926	−9·3175	9433	7273	31587	2840	12095
1154	100 15 58·86	77·88	3	...	−19·629	−0·0424	+0·0017	+0·01	−9·5915	+9·2416	−1·2929	−9·3114	...	...	31601	2842	12101
1155	102 49 34·15	77·86	3	...	−19·630	−0·0425	+0·0017	...	−9·5771	+9·3370	−1·2929	−9·3109	...	...	31603	...	...
1156	104 6 40·33	79·71	3	...	−19·630	−0·0426	+0·0017	+0·08	−9·5693	+9·3778	−1·2929	−9·3107	...	...	31604	...	12102
1157	101 11 20·25	77·88	3	...	−19·662	−0·0405	+0·0017	...	−9·5882	+9·2793	−1·2936	−9·2937	...	...	31639	...	...
1158	105 41 50·51	77·75	23	...	−19·692	−0·0391	+0·0017	−0·03	−9·5640	+9·4243	−1·2943	−9·2771	...	...	31667	2846	12118
1159	110 45 18·56	83·80	3	...	−19·697	−0·0391	+0·0018	+0·10	−9·5303	+9·5417	−1·2944	−9·2741	...	...	31676	2847	12121
1160	132 15 34·12	80·81	3	...	−19·698	−0·0409	+0·0020	+0·01	−9·2899	+9·8199	−1·2944	−9·2733	9454	7279	31678	...	12123

No. 1141. Double, Companion, 8½ mag., 0″·5 S., following 0ˢ·33.
No. 1156. Double, Companion, 7½ mag., N., preceding.

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1161	8·0	2	Aquarii, Lal. 45777 ...	23 16 46·86	78·61	12	+3·1230	−0·0033	+0·0001	...	+8·8248	−8·1055	+0·4946	−8·1219
1162	8·0	3	Aquarii, Lal. 45789 ...	23 17 3·73	77·86	3	+3·1164	−0·0029	+0·0001	...	+8·8229	−8·1007	+0·4937	−8·0644
1163	6·0	2	Gruis, B.A.C. 8163 ...	23 19 53·08	75·68	5	+3·3857	−0·0241	+0·0004	−0·002	+9·0417	−8·2892	+0·5296	−8·9462
1164	8·7	2	Aquarii, Lal. 45876 ...	23 20 22·67	78·61	12	+3·1158	−0·0030	+0·0001	...	+8·8250	−8·0671	+0·4936	−8·0935
1165	5·3	...	κ Piscium	23 20 46·82	78·60	83	+3·0700	0·0000	+0·0001	+0·004	+8·8175	−8·0551	+0·4871	+6·8368
1166	7·2	2	Aquarii, Lal. 45907 ...	23 21 11·50	77·85	3	+3·1268	−0·0038	+0·0001	...	+8·8300	−8·0629	+0·4951	−8·2010
1167	6·8	3	Aquarii, B.A.C. 8175 ...	23 21 50·45	77·86	3	+3·1199	−0·0034	+0·0001	+0·005	+8·8276	−8·0531	+0·4941	−8·1494
1168	6·0	2	Phœnicis, B.A.C. 8178	23 22 27·72	76·82	3	+3·2915	−0·0171	+0·0003	−0·005	+8·9698	−8·1880	+0·5174	−8·8205
1169	6·5	4	Aquarii, Lal. 45965 ...	23 22 48·17	77·88	4	+3·1101	−0·0027	+0·0001	...	+8·8247	−8·0389	+0·4928	−8·0612
1170	6·1	3	Gruis, B.A.C. 8186 ...	23 24 5·19	80·81	3	+3·2645	−0·0154	+0·0002	0·000	+8·9519	−8·1506	+0·5138	−8·7828
1171	6·0	1	Gruis, B.A.C. 8192 ...	23 25 23·05	75·64	4	+3·2561	−0·0152	+0·0002	−0·007	+8·9507	−8·1331	+0·5127	−8·7797
1172	6·5	3	Aquarii, B.A.C. 8199 ...	23 25 59·22	77·82	4	+3·1151	−0·0033	+0·0001	−0·005	+8·8290	−8·0037	+0·4935	−8·1542
1173	7·0	2	Aquarii, Lal. 46090 ...	23 26 12·74	77·86	3	+3·1129	−0·0031	+0·0001	...	+8·8282	−8·0000	+0·4932	−8·1338
1174	4·9	3	*b* Aquarii	23 26 59·69	83·80	3	+3·1482	−0·0061	+0·0001	−0·003	+8·8509	−8·0124	+0·4981	−8·4165
1175	7·0	2	Weisse, XXIII., 571 ...	23 29 14·98	77·82	3	+3·1078	−0·0029	+0·0001	...	+8·8284	−7·9586	+0·4924	−8·1174
1176	6·6	3	Aquarii, B.A.C. 8214 ...	23 29 20·56	83·81	3	+3·0978	−0·0021	+0·0001	−0·002	+8·8244	−7·9533	+0·4910	−7·9748
1177	7·5	3	Aquarii, Lal. 46229 ...	23 29 48·58	77·86	3	+3·1015	−0·0024	+0·0001	...	+8·8260	−7·9482	+0·4916	−8·0404
1178	5·5	2	Phœnicis, B.A.C. 8220	23 31 22·96	76·83	3	+3·2457	−0·0171	+0·0003	−0·001	+8·9800	−8·0787	+0·5113	−8·8380
1179	5·7	2	Aquarii, B.A.C. 8221 ...	23 31 26·19	77·84	3	+3·1129	−0·0036	+0·0001	0·000	+8·8331	−7·9310	+0·4932	−8·2083
1180	6·5	2	Aquarii, Lal. 46296 ...	23 32 0·54	78·65	14	+3·0990	−0·0023	+0·0001	...	+8·8264	−7·9154	+0·4912	−8·0344
1181	4·0	...	ι Andromedæ	23 32 15·19	73·86	3	+2·9238	+0·0125	+0·0002	+0·001	+8·9538	−8·0390	+0·4659	+8·7843
1182	4·3	...	ι Piscium	23 33 46·67	78·45	76	+3·0590	+0·0015	+0·0001	+0·023	+8·8227	−7·8831	+0·4856	+7·7609
1183	5·7	3	Aquarii, B.A.C. 8239 ...	23 34 56·22	77·82	4	+3·1043	−0·0031	+0·0001	+0·002	+8·8315	−7·8720	+0·4920	−8·1615
1184	6·3	3	Phœnicis, B.A.C. 8241	23 35 34·38	80·81	3	+3·2046	−0·0148	+0·0002	−0·002	+8·9568	−7·9862	+0·5058	−8·7901
1185	4·6	3	ω^2 Aquarii	23 36 29·88	80·01	13	+3·1095	−0·0039	+0·0001	+0·005	+8·8371	−7·8495	+0·4927	−8·2559
1186	7·0	3	Sculptoris, L. 9570 ...	23 37 4·45	80·85	3	+3·1615	−0·0102	+0·0002	...	+8·9019	−7·9035	+0·4999	−8·6466
1187	7·0	1	Phœnicis, B.A.C. 8260	23 40 10·78	75·88	3	+3·1771	−0·0141	+0·0002	+0·010	+8·9527	−7·8907	+0·5020	−8·7800
1188	5·7	2	σ Phœnicis	23 40 53·39	76·82	3	+3·2093	−0·0196	+0·0003	−0·004	+9·0225	−7·9446	+0·5064	−8·9124
1189	5·7	4	Aquarii, B.A.C. 8266 ...	23 41 5·03	77·82	4	+3·0969	−0·0030	+0·0001	−0·005	+8·8330	−7·7506	+0·4909	−8·1708
1190	4·4	...	δ Sculptoris	23 42 40·31	78·43	120	+3·1278	−0·0080	+0·0001	+0·004	+8·8800	−7·7594	+0·4952	−8·5627
1191	6·0	6	Aquarii, B.A.C. 8285 ...	23 44 3·07	80·39	7	+3·0898	−0·0023	+0·0001	0·000	+8·8304	−7·6737	+0·4899	−8·0969
1192	6·3	...	Phœnicis, B.A.C. 8286	23 44 16·95	75·23	3	+3·1742	−0·0172	+0·0003	−0·004	+8·9978	−7·8346	+0·5016	−8·8691
1193	5·5	·1	γ^1 Octantis	23 45 0·76	75·74	20	+3·7530	−0·1672	+0·0127	−0·031	+9·7181	−8·5343	+0·5744	−9·7146
1194	5·1	3	108 Aquarii	23 45 9·36	83·86	3	+3·1031	−0·0049	+0·0001	−0·001	+8·8489	−7·6608	+0·4918	−8·3740
1195	6·1	3	Phœnicis, B.A.C. 8294	23 45 27·19	80·81	3	+3·1473	−0·0133	+0·0002	−0·008	+8·9485	−7·7517	+0·4979	−8·7697
1196	6·9	3	Sculptoris, L. 9625 ...	23 45 40·38	80·86	3	+3·1282	−0·0098	+0·0002	...	+8·9034	−7·6999	+0·4953	−8·6486
1197	6·5	1	24 Piscium	23 46 45·68	78·17	3	+3·0775	−0·0004	+0·0001	+0·004	+8·8242	−7·5863	+0·4882	−7·6479
1198	7·9	4	Arg. +7° 5097	23 48 51·89	82·85	4	+3·0635	+0·0026	+0·0001	...	+8·8274	−7·5142	+0·4862	+7·9556
1199	8·8	4	Weisse, XXIII., 981 ...	23 49 26·54	82·84	4	+3·0640	+0·0027	+0·0001	...	+8·8274	−7·4911	+0·4863	+7·9552
1200	6·6	4	Weisse, XXIII., 985 ...	23 49 35·85	77·82	4	+3·0873	−0·0030	+0·0001	...	+8·8362	−7·4935	+0·4896	−8·2143

No. 1182. P′ and p′ affected with proper motion $+\overset{s.}{0}\overset{'}{\cdot}0015 - 0\overset{''}{\cdot}0215$.
No. 1187. " " " $-0\overset{s.}{\cdot}0141 - 0\overset{''}{\cdot}0158$.

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a′	b′	c′	d′					
	° ′ ″				″	″	″	″									
1161	101 25 51·58	77·82	3	...	−19·698	−0·0384	+0·0017	...	−9·5890	+9·2893	−1·2944	−9·2729	...	...	31680	...	...
1162	100 2 33·47	77·86	3	...	−19·703	−0·0380	+0·0017	...	−9·5963	+9·2338	−1·2945	−9·2701	...	...	31686	...	...
1163	143 23 7·14	75·49	5	...	−19·747	−0·0387	+0·0022	−0·12	−9·0755	+9·8978	−1·2955	−9·2409	9470	7287	31737	2851	12141
1164	100 41 37·11	77·82	3	...	−19·755	−0·0348	+0·0017	...	−9·5959	+9·2620	−1·2957	−9·2356	...	...	31751	...	...
1165	89 24 4·16	76·65	21	...	−19·761	−0·0338	+0·0016	+0·10	−9·6391	−8·0128	−1·2958	−9·2312	...	...	...	2854	12151
1166	103 35 19·67	77·67	8	...	−19·767	−0·0341	+0·0017	...	−9·5822	+9·3647	−1·2959	−9·2267	...	...	31763	...	12153
1167	102 6 33·43	77·86	4	...	−19·777	−0·0334	+0·0017	+0·02	−9·5905	+9·3157	−1·2961	−9·2194	...	...	31770	...	...
1168	135 9 28·86	76·82	3	...	−19·786	−0·0349	+0·0020	−0·01	−9·2795	+9·8448	−1·2963	−9·2123	9490	7294	31780	...	12163
1169	99 55 33·38	77·88	4	...	−19·790	−0·0324	+0·0017	...	−9·6015	+9·2307	−1·2964	−9·2084	...	...	31787	...	...
1170	132 38 50·03	80·81	3	...	−19·808	−0·0329	+0·0020	+0·10	−9·3292	+9·8255	−1·2968	−9·1933	9495	7296	31809	...	12170
1171	132 24 51·91	75·69	5	...	−19·826	−0·0314	+0·0020	−0·01	−9·3401	+9·8240	−1·2972	−9·1774	9507	7298	31838	2858	12183
1172	102 12 21·38	77·67	8	...	−19·834	−0·0293	+0·0017	+0·05	−9·5942	+9·3203	−1·2974	−9·1699	...	...	31851	...	12188
1173	101 39 39·19	77·86	3	...	−19·836	−0·0291	+0·0017	...	−9·5968	+9·3009	−1·2975	−9·1670	...	...	31854	...	...
1174	111 34 38·60	83·80	3	...	−19·846	−0·0287	+0·0018	−0·01	−9·5449	+9·5610	−1·2977	−9·1569	...	...	31869	2860	...
1175	101 13 5·09	77·82	3	...	−19·874	−0·0260	+0·0017	...	−9·6016	+9·2851	−1·2983	−9·1264	...	...	31915	...	...
1176	98 7 42·42	83·82	3	...	−19·875	−0·0258	+0·0017	0·00	−9·6135	+9·1465	−1·2983	−9·1250	...	...	31918	...	...
1177	99 25 41·50	77·86	3	...	−19·880	−0·0254	+0·0017	...	−9·6090	+9·2106	−1·2984	−9·1184	...	...	31928	...	...
1178	136 9 21·12	76·82	3	...	−19·898	−0·0251	+0·0020	+0·03	−9·3237	+9·8547	−1·2988	−9·0953	9535	7309	31955	2864	12217
1179	103 43 29·70	77·68	10	...	−19·898	−0·0239	+0·0017	+0·01	−9·5933	+9·3718	−1·2988	−9·0945	...	...	31957	...	12219
1180	99 17 28·37	77·82	3	...	−19·904	−0·0232	+0·0017	...	−9·6112	+9·2048	−1·2989	−9·0857	...	...	31967	...	...
1181	47 23 47·22	73·87	3	...	−19·907	−0·0214	+0·0015	+0·01	−9·6033	−9·8273	−1·2990	−9·0820	...	...	...	...	...
1182	85 1 26·53	76·28	24	...	−19·923	−0·0211	+0·0017	+0·44	−9·6456	−8·9354	−1·2993	−9·0575	...	...	...	2868	12234
1183	102 20 44·76	77·60	24	...	−19·934	−0·0204	+0·0017	+0·02	−9·6026	+9·3274	−1·2996	−9·0380	...	...	32014	...	12242
1184	132 55 56·94	80·81	3	...	−19·940	−0·0205	+0·0019	+0·05	−9·3895	+9·8308	−1·2997	−9·0269	9561	7318	32024	...	12246
1185	105 12 29·65	81·81	6	...	−19·948	−0·0189	+0·0017	+0·05	−9·5931	+9·4165	−1·2999	−9·0101	...	...	32043	2869	...
1186	123 44 50·91	80·85	3	...	−19·954	−0·0187	+0·0019	...	−9·4847	+9·7425	−1·3000	−8·9994	9570	...	32055	...	12258
1187	132 13 10·35	75·64	4	...	−19·979	−0·0157	+0·0019	+0·85	−9·4204	+9·8257	−1·3006	−8·9364	9585	...	32117	...	12277
1188	140 53 31·75	76·82	3	...	−19·984	−0·0152	+0·0019	−0·01	−9·3203	+9·8883	−1·3007	−8·9206	9591	7326	32130	2874	12284
1189	102 34 27·70	77·63	35	...	−19·986	−0·0143	+0·0017	+0·09	−9·6080	+9·3364	−1·3007	−8·9162	...	...	32134	...	12286
1190	118 47 36·80	76·12	29	...	−19·997	−0·0130	+0·0018	+0·10	−9·5364	+9·6815	−1·3010	−8·8782	9603	7330	32161	2876	12297
1191	100 38 36·88	78·28	28	...	−20·006	−0·0114	+0·0017	−0·08	−9·6165	+9·2655	−1·3011	−8·8423	...	...	32188	...	12306
1192	138 2 41·46	75·23	3	...	−20·007	−0·0115	+0·0019	−0·02	−9·3786	+9·8704	−1·3012	−8·8358	9613	7333	32193	2877	12308
1193	172 41 8·63	75·92	11	16	−20·012	−0·0136	+0·0030	0·00	+7·9814	+9·9955	−1·3013	−8·8152	9607	7334	32200	2879	12313
1194	109 34 35·21	83·86	3	...	−20·012	−0·0103	+0·0017	0·00	−9·5878	+9·5242	−1·3013	−8·8111	...	...	32204	2880	...
1195	131 29 32·76	80·81	3	...	−20·013	−0·0102	+0·0018	0·00	−9·4517	+9·8203	−1·3013	−8·8023	9623	...	32210	...	12319
1196	123 47 21·55	80·86	3	...	−20·015	−0·0100	+0·0018	...	−9·5130	+9·7443	−1·3013	−8·7957	9625	...	32215	...	12322
1197	93 49 17·71	78·17	3	...	−20·021	−0·0086	+0·0017	+0·03	−9·6325	+8·8231	−1·3015	−8·7614	...	...	32231	...	12330
1198	82 16 41·77	82·85	2	...	−20·030	−0·0065	+0·0017	...	−9·6399	−9·1278	−1·3017	−8·6864	...	...	...	...	...
1199	82 17 13·46	82·84	4	...	−20·033	−0·0060	+0·0017	...	−9·6396	−9·1273	−1·3017	−8·6633	...	...	...	...	...
1200	103 49 3·79	77·61	25	...	−20·033	−0·0059	+0·0017	...	−9·6133	+9·3776	−1·3017	−8·6568	...	...	32279	...	12350

No.	Magnitude.	Number of Estimates of Magnitude.	Star's Name.	Mean R.A. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.	Annual Precession in R.A. P	Second Term of the Precession. P′	Third Term of the Precession. P″	Annual Proper Motion in R.A. M	Logarithms of a	b	c	d
				h. m. s.			s.	s.	s.	s.				
1201	6·0	1	γ^2 Octantis	23 50 55·09	75·56	27	+3·4937	−0·1507	+0·0118	−0·019	+9·7277	−8·3259	+0·5433	−9·7243
1202	5·3	2	27 Piscium	23 52 31·78	83·88	3	+3·0756	−0·0004	+0·0001	−0·005	+8·8249	−7·3382	+0·4879	−7·6918
1203	5·5	1	π Phœnicis	23 52 42·11	75·24	3	+3·1297	−0·0201	+0·0003	0·000	+9·0484	−7·5516	+0·4955	−8·9531
1204	4·0	...	ω Piscium	23 53 8·95	78·54	86	+3·0680	+0·0024	+0·0001	+0·009	+8·8263	−7·3020	+0·4869	+7·8596
1205	5·5	3	Sculptoris, B.A.C. 8332	23 53 17·59	80·81	3	+3·0951	−0·0080	+0·0001	−0·010	+8·8869	−7·3533	+0·4907	−8·3878
1206	9·7	4	Arg. +7° 5117 ...	23 55 11·24	82·84	4	+3·0685	+0·0028	+0·0001	...	+8·8278	−7·1500	+0·4869	+7·9563
1207	6·0	1	29 Piscium	23 55 40·40	76·48	3	+3·0740	−0·0001	+0·0001	0·000	+8·8247	−7·1008	+0·4877	−7·6340
1208	6·4	3	Sculptoris, B.A.C. 8348	23 55 45·90	80·81	3	+3·0916	−0·0109	+0·0002	−0·010	+8·9267	−7·1934	+0·4902	−8·7150
1209	4·3	...	2 Ceti	23 57 35·44	83·80	3	+3·0769	−0·0040	+0·0001	0·000	+8·8457	−6·8674	+0·4881	−8·3358
1210	7·0	2	Phœnicis, B.A.C. 8369	23 59 14·68	76·82	3	+3·0793	−0·0227	+0·0004	−0·006	+9·0952	−6·6126	+0·4884	−9·0218
1211	9·6	4	Weisse, XXIII., 1203...	23 59 53·82	82·84	4	+3·0722	+0·0034	+0·0001	...	+8·8295	−5·4822	+0·4875	+8·0331

No.	Mean N.P.D. 1880, Jan. 1.	Mean Year of Observations.	Number of Observations.		Annual Precession in N.P.D.	Second Term of the Precession.	Third Term of the Precession.	Annual Proper Motion in N.P.D.	Logarithms of				Lacaille.	Brisbane.	Gould.	Cape, 1840.	Stone, 1880.
				S.P.	p	p′	p″	m	a'	b'	c'	d'					
	° ′ ″				″	″	″	″									
1201	172 50 13·66	76·49	17	18	−20·039	−0·0058	+0·0024	+0·05	−8·1703	+9·9963	−1·3019	−8·5978	9651	7350	32303	2883	12360
1202	94 13 18·23	83·80	3	...	−20·043	−0·0030	+0·0017	+0·06	−9·6338	+8·8667	−1·3020	−8·5131	...	...	32330	2885	12375
1203	143 24 57·56	75·24	3	...	−20·044	−0·0030	+0·0019	−0·03	−9·3674	+9·9045	−1·3020	−8·5030	9671	7355	32333	...	12376
1204	83 48 3·71	76·37	22	...	−20·045	−0·0024	+0·0017	+0·11	−9·6380	−9·0332	−1·3020	−8·4755	...	...	...	2886	12380
1205	120 9 10·33	80·81	3	...	−20·045	−0·0023	+0·0017	−0·03	−9·5569	+9·7008	−1·3020	−8·4663	9675	7358	32337	...	12381
1206	82 16 26·55	82·84	4	...	−20·049	−0·0004	+0·0017	...	−9·6362	−9·1284	−1·3021	−8·3222	...	...	...	...	...
1207	93 41 43·30	78·16	3	...	−20·050	0·0000	+0·0017	+0·01	−9·6352	+8·8091	−1·3021	−8·2759	...	...	32379	...	12406
1208	127 53 47·36	80·81	3	...	−20·051	+0·0001	+0·0018	+0·05	−9·5199	+9·7883	−1·3021	−8·2666	9697	7369	32382	...	12408
1209	108 0 14·60	83·80	4	...	−20·053	+0·0020	+0·0017	0·00	−9·6121	+9·4901	−1·3022	−8·0217	...	...	32405	2890	12416
1210	147 37 23·96	76·82	3	...	−20·054	+0·0035	+0·0017	+0·06	−9·3609	+9·9266	−1·3022	−7·5174	9716	7378	32435	...	12433
1211	80 48 18·20	82·84	4	...	−20·054	+0·0042	+0·0017	...	−9·6318	−9·2036	−1·3022	−6·6526	...	...	...	...	...

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